



*The Right Connection™*

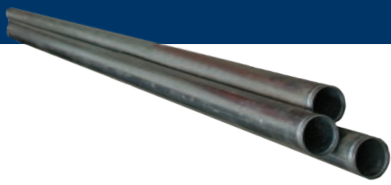
# Fire Protection Guide

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Information contained in this catalogue is true and accurate as at the date of printing and may be subject to change.



# Fire Protec



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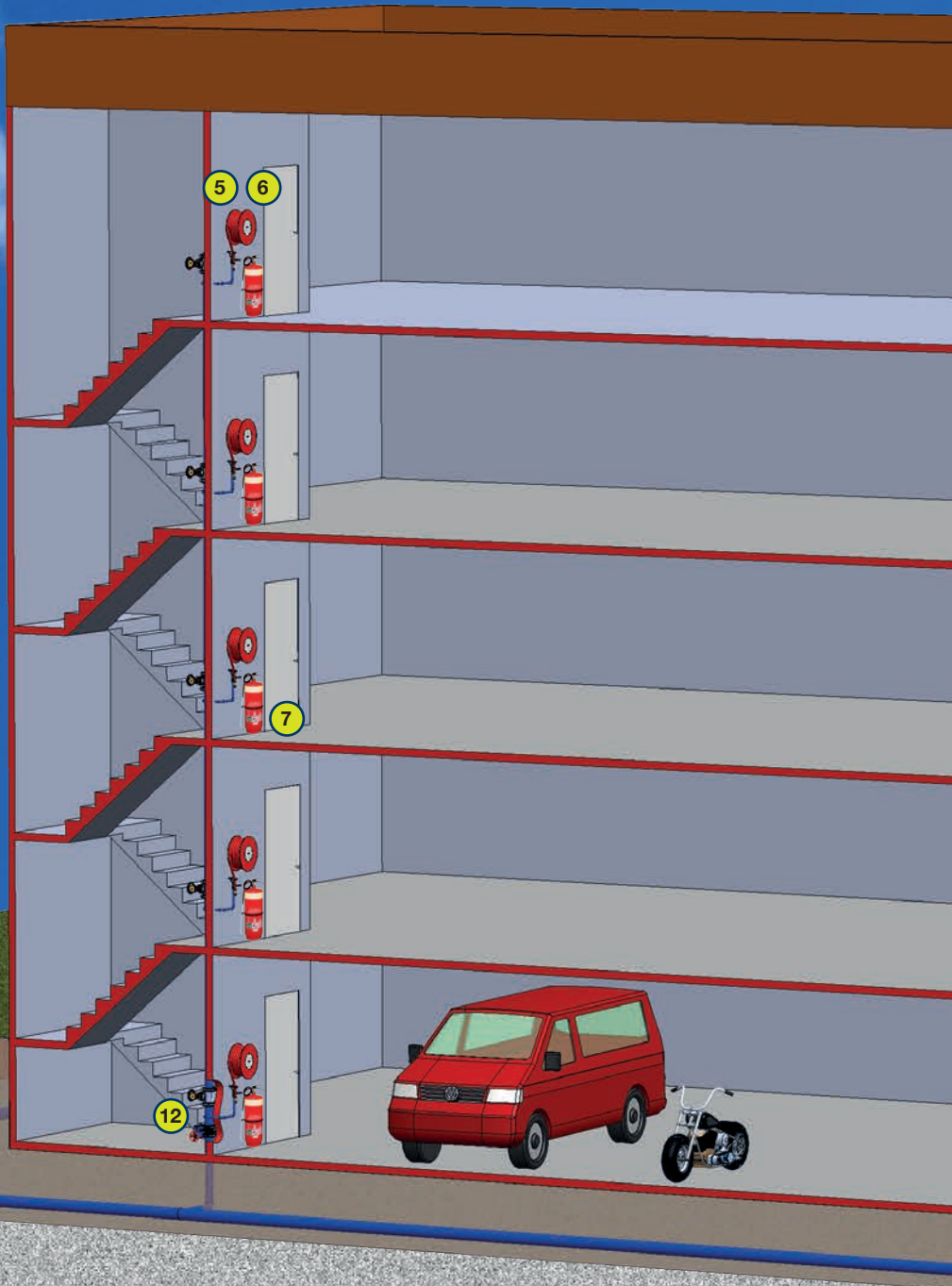
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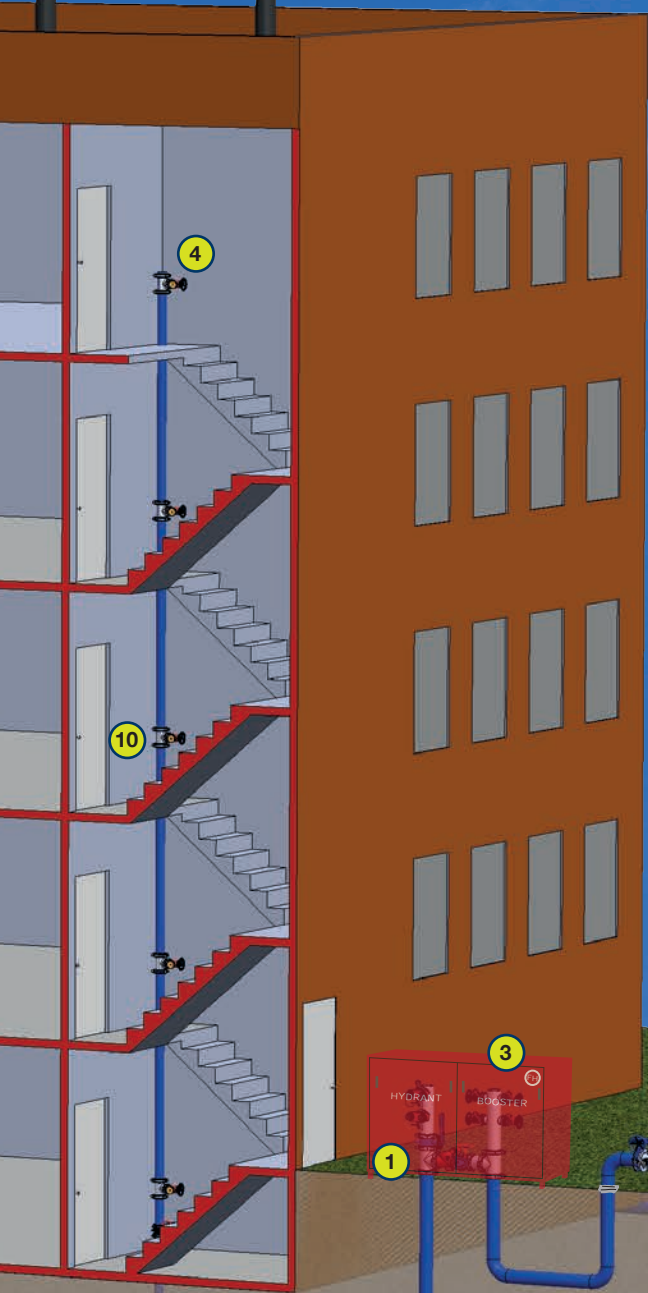


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Fire Hose





# tion Range



Fire Extinguishers



Backflow Prevention



Petro® Tape  
Protective Coating  
For Pipe



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## Grooved Light Wall Pipe



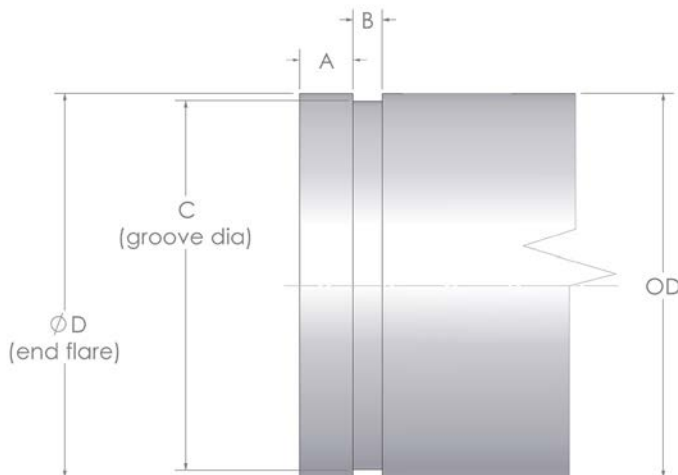
<b>Application:</b>	For Industrial Plumbing and Fire Hydrant Piping Systems - provides water to landing valves, hose reels and hydrant risers. Typically located in stairwells or building cavities - suitable for mains or independent water supply.
<b>Features:</b>	Pipe is line marked with all approvals and mill identification every metre for fast visual inspection.
<b>Material:</b>	ASTM A135 - Standard specification for Electric Resistance Welded (ERW) Steel Pipe. Hot dip galvanised to AS/NZS 4792.
<b>End Configurations:</b>	Roll Grooved Ends are standard for stock lengths. A surcharge will apply to each additional cut or processed end.
<b>Standards:</b>	EX6116, AS4118.2.1, AS 2419.1 and AS 4118.2.1 UL Approved. Roll Grooving conforms to ANSI/AWWA C606-97.

Galvanised Light Wall Pipe with Roll Grooved Ends (both ends).

Part No.	Length (mtr)	Size NB	OD (mm)	Wall Thickness (mm)	Working Pressure		Weight each (kg)	No per bundle
					kPa	MPa		
PFHG-1143-25-RG	6	100	114.3	3.05	5500	5.5	51.5	10
PFHG-1143253250	3	100	114.3	3.05	5500	5.5	25.75	20
PFHG-1651-30-RG	6	150	165.1	3.40	5500	5.5	83.2	7
PFHG-1651303250	3	150	165.1	3.40	5500	5.5	41.60	14
PFHG-2191-48-RG	6	200	219.1	4.77	5500	5.5	153.8	5

PI03

## Roll Grooved Specification Table



NB		OD (mm)			A (mm)			B (mm)			C (mm)				D max
inch	mm	basic	min	max	basic	min	max	basic	min	max	diameter		circumference		
											min	max	min	max	
4	100	114.3	113.8	115.2	15.88	15.12	16.26	8.74	8.36	9.50	109.70	110.08	344.64	345.84	116.8
6*	150	165.1	164.3	166.7	15.88	15.12	16.26	8.74	8.36	9.50	160.22	160.78	503.35	505.11	167.6
8	200	219.1	218.5	220.4	19.05	18.29	19.43	11.91	11.53	12.67	213.89	214.40	671.97	673.56	223.5

\* Australian Pipe Size

Refer to page 7 for further sizes.

**Note:** All Dixon pipe is approved to relevant standards. Specific approvals available on request.

\* The pipe or system working pressures are limited to the published working pressures of the couplings used in the design of the pipeline



## Galvanised Medium Pipe, AS1074

<b>Application:</b>	For Fire Hydrant Piping Systems - provides water to landing valves, hose reels and hydrant risers. Typically located in stairwells or building cavities - suitable for connection to mains or independent water. Also used for water, slurry and air movement in mining, industrial and irrigation applications.
<b>Features:</b>	Pipe is line marked with all approvals and mill identification every metre for fast visual inspection. Galvanising significantly exceeds the requirements of AS/NZS4792.
<b>End Configurations:</b>	Plain end pipe can be cut and/or BSP threaded or roll grooved as required (a surcharge will apply to each cut or processed end).
<b>Standards:</b>	AS1074, AS2419.1, AS/NZS4792.



**BSP Threaded End** - AS1074, AS2419.1, AS/NZS 4792, AS1722.1, ActivFire® approval AFP1698

### Galvanised Medium Pipe with BSP Threaded Ends (Both Ends). Threads Conform to AS1722.1

Part No.	Length (mtr)	Size (mm)	OD (mm)	Wall Thickness (mm)	WP kPa	Weight each (kg)	No per bundle	Approved
PMGB-25	6.5	25	33.4	3.2	5500	15.9	61	✓
PMGB-32	6.5	32	42.2	3.2	5500	20.5	48	✓
PMGB-40	6.5	40	48.3	3.2	5500	23.7	37	✓
PMGB-50	6.5	50	60.3	3.6	5500	33.4	27	✓

Note: Plain end pipe in above sizes can be supplied as option to above.



**Roll Grooved End** - AS1074, AS2419.1, AS/NZS 4792, ANSI/AWWA C606-97

### Galvanised Medium Pipe with Roll Grooved Ends (Both Ends). Roll Grooving Conforms to ANSI/AWWA C606-97.

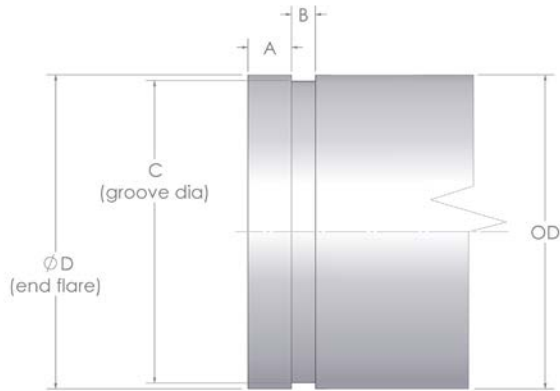
Part No.	Length (mtr)	Size (mm)	OD (mm)	Wall Thickness (mm)	WP kPa	Weight each (kg)	No per bundle	Approved
PMGG-50	6.5	50	60.3	3.6	5500	33.4	27	✓
PMGG-65	6.5	65	76.0	3.6	5500	42.8	19	✓
PMGG-80	6.5	80	89.0	4.0	5500	55.6	16	✓
PMGG-100	6.5	100	114.3	4.5	5500	80.6	10	✓
PMGG-100-3250	3.25	100	114.3	4.5	5500	40.3	20	✓
PMGG-150	6.5	150	165.1	5.0	5500	130.4	7	✓
PMGG-150-3250	3.25	150	165.1	5.0	5500	65.2	14	✓

♦ Bundle size can be advised on order.

PI05

Note: Specific approvals can be provided on request.

## Roll Groove Specification



Where pipe is roll grooved, it complies with the requirements of the standard ANSI/AWWA C606 for Grooved and Shouldered Joints.

NB		OD (mm)			A (mm)			B (mm)			C (mm)				D Max
inch	mm	basic	min	max	basic	min	max	basic	min	max	Diameter		Circumference		
											min	max	min	max	
1¼	32	42.20	41.80	42.60	15.88	15.12	16.26	7.14	6.38	7.90	38.61	38.99	121.30	122.49	45.00
1½	38	48.30	41.80	48.80	15.86	15.12	16.26	7.14	6.38	7.90	44.71	45.09	140.46	141.65	51.10
2	50	60.3	59.9	60.9	15.88	15.12	16.26	8.74	8.36	9.50	56.77	57.15	178.35	179.54	63.0
2½	65	76.1	75.4	76.6	15.88	15.12	16.26	8.74	8.36	9.50	71.80	72.26	225.58	227.01	78.7
3	75	88.9	88.4	89.7	15.88	15.12	16.26	8.74	8.36	9.50	84.56	84.94	265.64	266.84	91.4
4	100	114.3	113.8	115.2	15.88	15.12	16.26	8.74	8.36	9.50	109.70	110.08	344.64	345.84	116.8
6 *	150	165.1	164.3	166.7	15.88	15.12	16.26	8.74	8.36	9.50	160.22	160.78	503.35	505.11	167.6
8	200	219.1	218.5	220.4	19.05	18.29	19.43	11.91	11.53	12.67	213.89	214.40	671.97	673.56	223.5
10	250	273.1	272.5	274.6	19.05	18.29	19.43	11.91	11.53	12.67	267.63	268.27	840.82	842.81	277.4

\* Australian Pipe Size

## Diameter Tape with Groove Depth Dimensions



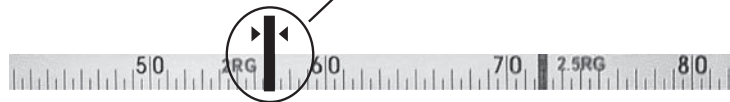
An accurate groove depth is critical to the performance of any grooved piping system. Get it right with Dixon's new diameter tape with roll grooved dimensions.

### How to use Dixon's roll groove diameter tape:

Place the diameter tape around the pipe to be measured. Check that the tape is sitting flat on the base of the groove, around the entire circumference. Measure the diameter. This measurement is taken by reading the point along the tape that lines up '0'.

If the groove is within specification, the origin '0' will fall within the relevant tolerance band, if the groove is outside specification, the '0' will be outside the relevant tolerance band.

eg. 2" roll grooved pipe the origin 0 should fall between 56.77mm and 57.15mm as shown



Part No
DDTM

AU02

## Petro Tape



Tape Width (mm)	Petro 40 Petrolatum Tape		Petro 250 Overwrap Tape
	Pipe Diameter (mm)	Part No.	Part No.
50	1 - 3	FPT-PT-050	FPT-PO-050
75	3 - 4	FPT-PT-075	-
100	4 - 8	FPT-PT-100	FPT-PO-100
150	10 - 12	FPT-PT-150	FPT-PO-150

Pipe Wrapping - Recommended Tape Widths - refer to page 9.

Part No.	Description
FPT-PP-1	i Petro Primer Paste 1 kg
FPT-PP-4	i Petro Primer Paste 4 kg
FPT-PM-3	Petro Mastic 3 kg

AE06  
RC01

## Plumbers Hemp, Soap & Accessories



Dixon's range of plumbing accessories includes pressure gauges, hydrant covers, 003 Fire Brigade padlock, Minsup™ gasket lube, lockable ball valves, fire signs, plumbers hemp and leather strap. Contact your local Dixon branch for further information.

Part No.	Description
FFS-HEMLAR	Plumbers Hemp Bale 16mm x 44mtr
FFS-HEMSM	Hemp - Small Ball
FFS-BSOAP	Plumbers Soap Bar
FGT25X30M	i 25mm w x 30m Fortaglas Exhaust - Tape
FGT50X30M	50mm w x 30m Fortaglas Exhaust - Tape
FFS-003	003 Fire Brigade Padlock

Part No.
FFS-RGLUBE

See page 13 for specifications

HP02



## Specifications



<b>Surface Preparation:</b>	Remove all contaminants such as dirt, oil, scale and excessive moisture. Remove all loose rust, paint and other residue by hand or power tool in accordance with AS 1627-1977 or AS 1627, part 2 - 1975.  All surfaces should be coated with Petro Primer Paste to fill any hollow or surface irregularity and to ensure good contact of the tape.
<b>Application:</b>	<b>Petro Mastic</b> - to guard against voids and pockets during wrapping, Petro Mastic should be used to contour complex shapes such as valves and flanges.  <b>Petro 40 Tape</b> - should be spirally wrapped using a 15 mm overlap. However for buried applications, 55% should be used to ensure a double layer. When a pipe is vertical, wrapping should begin at the bottom. When applying the tape, all overlaps should be smoothed by hand. A 50 mm roll to roll overlap should be used when starting a new roll.  <b>Petro 250 Overwrap Tape</b> - where mechanical protection is required, Petro 250 Overwrap Tape should be employed using a 15 mm overlap. In severe underground conditions, a 55% overwrap should be considered. Consult Dixon for details and recommendations.
<b>Design:</b>	Petro Petrolatum Coating Systems were developed for the protection of metal surfaces in the most severe environments. They are designed to be applied over wire brushed surfaces in exposed, underground and underwater applications.

Petro® Protective Coatings for Pipes & Fittings

Pipe Diameter (NB - Inch)	Petro® Primer Paste (Kg)	Petro® 40 - 55% Overlap		Petro® 40 - min Overlap		Petro® 250 - Overlap	
		Rolls	Width (mm)	Rolls	Width (mm)	Rolls	Width (mm)
¾	1.7	40	50	37	50	14	50
1	2.1	50	50	31	50	17	50
1¼	2.7	42	75	39	50	21	50
1½	3.0	47	75	44	50	24	50
2	3.8	59	75	54	50	30	50
3	5.6	65	100	48	75	22	100
4	7.2	84	100	44	100	29	100
6	10.6	83	150	44	150	28	150
8	13.8	107	150	58	150	36	150
10	17.2	98	200	72	150	44	150
12	20.4	117	200	61	200	52	150
14	22.4	131	200	67	200	58	150
16	25.5	149	200	75	200	67	150
18	28.7	168	200	86	200	75	150
20	31.9	187	200	95	200	83	150
24	38.0	224	200	114	200	100	150
26	41.4	242	200	123	200	108	150
28	44.6	261	200	132	200	116	150
30	47.8	280	200	141	200	124	150
36	57.4	336	200	169	200	149	150

For a list of part numbers refer to page 8.

Roll Grooved Couplings----- 11 - 14

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## Rigid Galvanised



<b>Application:</b>	Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons, eg petroleum, kerosene and diesel.
<b>Design:</b>	Dixon 402R Rigid Coupling for the Fire Protection Industry and provides rigidity for valve connections, fire main risers and long straight pipe runs. The tongue and recess design of the coupling adjusts to allow for standard pipe and roll or cut groove tolerances, positively clamping the pipe to resist flexural and torsional loads.
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 Standard Gasket - EPDM (Black) Other materials available on request Hot dip galvanised finish to AS4680
<b>Temperature:</b>	-30° to +110°C
<b>Markings:</b>	CPS Style 5L
<b>Compatibility</b>	Interchangeable with Fig 7
<b>Approvals:</b>	UL No. EX4390

Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
32	1¼	FWG-402R-43	300	2	✗	✗
40	1½	FWG-402R-48	300	2	✗	✓
50	2	FWG-402R-60	300	2	✓	✓
65	2½	FWG-402R-76	300	2	✓	✓
80	3	FWG-402R-88	300	2	✓	✓
100	4	FWG-402R-114	300	2	✓	✓
150	6	FWG-402R-165	300	2	✓	✓
200	8	FWG-402R-219	300	2	✓	✓

CG03

**PIPE FITTINGS**  
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## Flexible Galvanised



<b>Application:</b>	Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons, eg petroleum, kerosene and diesel.
<b>Design:</b>	Flexible couplings allow controlled angular, linear and rotational movement at each joint. This accommodates expansion/contraction, settling, vibration and other piping system movement.
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 Standard Gasket - EPDM (Black) Other materials available on request Hot dip galvanised finish to AS4680
<b>Temperature:</b>	-30° to +110°C
<b>Markings:</b>	CPS Style 10
<b>Compatibility</b>	Interchangeable with Fig 75
<b>Approvals:</b>	UL No. EX4390

Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
40	1½	FWG-75-48	300	2	✓	✓
50	2	FWG-75-60	300	2	✓	✓
65	2½	FWG-75-76	300	2	✓	✓
80	3	FWG-75-88	300	2	✓	✓
100	4	FWG-75-114	300	2	✓	✓
150	6	FWG-75-165	300	2	✓	✓
150 USA	6 USA	FWG-75-168	300	2	✓	✓
200	8	FWG-75-219	i 300	2	✓	✓

CG02



## Flexible Heavy Duty Galvanised



PIPE  
FITTINGS

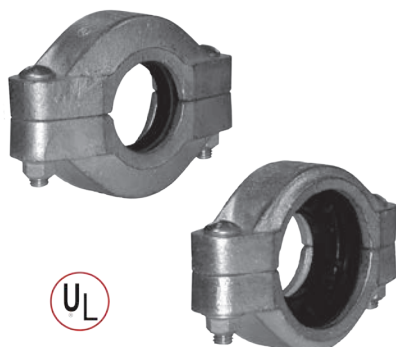
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<b>Application:</b>	Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons, eg petroleum, kerosene and diesel
<b>Design:</b>	The heavy duty flexible coupling features a heavy duty ribbed construction providing working pressures up to 1,000psi.
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 Standard Gasket - EPDM (Black) Other materials available on request Hot dip galvanised finish to AS4680
<b>Temperature:</b>	-30° to +110°C
<b>Markings:</b>	CPS Style 11
<b>Compatibility:</b>	Interchangeable with Fig 77

Size NB	Size (inch)	Part No.	WP	
			psi	MPa
80	3	FWG-HDC-88	1000	6.8
100	4	FWG-HDC-114	1000	6.8
150	6	FWG-HDC-165	1000	6.8
200	8	FWG-HDC-219	800	5.5
250	10	FWG-HDC-250	500	3.5
300	12	FWG-HDC-300	500	3.5

CG04

## Reducing Galvanised



APPROVED

<b>Application:</b>	Reducing couplings permit direct reduction on the piping run, eliminating the use of pipe reducers or costly fabricated fittings.
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 Hot dip galvanised finish to AS4680
<b>Markings:</b>	CPS Style 25
<b>Compatibility:</b>	Interchangeable with Fig 750
<b>Approvals:</b>	UL No. EX4390

Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
80 x 50	3 x 2	FWG-750-88-60	300	2	✓	✓
150 x 100	6 x 4	FWG-750-165-114	250	1.7	✓	✓

CG02

## Transition (Rigid) Galvanised



<b>Application:</b>	Transition couplings are designed to join 150mm Australian Standard Pipe OD 165.1mm to 150mm American Line Pipe OD 168.3mm.
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Size OD	Part No.	WP	
		psi	MPa
165.1 x 168.3	FWG-402R-165-168	300	2

CG03

## Painted Rigid



<b>Application:</b>	For hot water and potable water. Not for use with hydrocarbons, eg petroleum, kerosene and diesel.
<b>Design:</b>	The Dixon 402R Rigid Coupling has been designed for the Fire Protection Industry and provides rigidity for valve connections, fire sprinkler systems and long straight pipe runs. The tongue and recess design of the coupling adjusts to allow for standard pipe and roll or cut groove tolerances, positively clamping the pipe to resist flexural and torsional loads. Hot dip galvanised finish. Other materials available on request
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 EPDM (Black) Ductile Iron to ASTM-A536
<b>Temperature:</b>	-30° to +110°C
<b>Markings:</b>	CPS Style 5
<b>Compatibility:</b>	Interchangeable with Fig 10
<b>Approvals:</b>	UL No. EX4390

PIPE FITTINGS

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Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
32	1¼	FWP-402R-42	300	2	×	×
40	1½	FWP-402R-48	300	2	×	✓
50	2	FWP-402R-60	300	2	✓	✓
65	2½	FWP-402R-76	300	2	✓	✓
80	3	FWP-402R-88	300	2	✓	✓
100	4	FWP-402R-114	300	2	✓	✓
150	6	FWP-402R-165	300	2	✓	✓
200	8	FWP-402R-219	300	2	✓	✓

CG08

## Painted Flexible



<b>Application:</b>	For hot water and potable water. Not for use with hydrocarbons, eg petroleum, kerosene and diesel.
<b>Design:</b>	Flexible couplings allow controlled angular, linear and rotational movement at each joint. This accommodates expansion/contraction, settling, vibration and other piping system movement.
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536 EPDM (Black) Ductile Iron to ASTM-A536
<b>Temperature:</b>	-30° to +110°C
<b>Markings:</b>	CPS Style 10
<b>Compatibility:</b>	Interchangeable with Fig 75
<b>Approvals:</b>	UL No. EX4390

Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
25	1	FWP-75-34	i 300	2	✓	✓
32	1¼	FWP-75-42	i 300	2	✓	✓
40	1½	FWP-75-48	i 300	2	✓	✓
50	2	FWP-75-60	i 300	2	✓	✓
65	2½	FWP-75-76	i 300	2	✓	✓
80	3	FWP-75-88	i 300	2	✓	✓
150	6	FWP-75-165	i 300	2	✓	✓
200	8	FWP-75-219	i 300	2	✓	✓

CG07

## Gaskets

PIPE  
FITTINGS

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Nitrile		
Size NB	Size (inch)	Part No.
40	1½	GAS-RG-N40
50	2	GAS-RG-N50
65	2½	GAS-RG-N65
80	3	GAS-RG-N80
100	4	GAS-RG-N100
150	6	GAS-RG-N150

GA02

EPDM		
Size NB	Size (inch)	Part No.
50	2	GAS-RG-60-E
65	2½	GAS-RG-76-E
80	3	GAS-RG-88-E
100	4	GAS-RG-114-E
150	6	GAS-RG-165-E
200	8	GAS-RG-219-E

GA03

## Gasket Lube

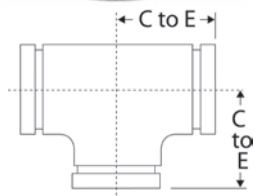


<b>Application:</b>	Specifically formulated where rubber gaskets are fitted especially in hot, dry and wet weather also used in areas where high levels of water quality are not required such as sewerage, irrigation and fire control systems. A consistently high quality of jointing is achieved. Incorrect lubricants, such as grease, can affect the life and effectiveness of a rubber gasket and also prevent correct positioning of the gasket which can cause joint leakage. It contains an approved bactericide which makes it safe to use with potable water.
<b>Properties:</b>	<ul style="list-style-type: none"> <li>•Water soluble emulsion. Excess lubricant is quickly removed from pipe systems when the system is flushed.</li> <li>•No detrimental effect on the natural synthetic rubbers used in gasket materials.</li> <li>•Jointing lubricant.</li> </ul>
<b>Standards:</b>	AS 4020-1999 Accredited under the Watermark Scheme MP 52 Spec 014. Licence No. W104

Part No.
FFS-RGLUBE

HP02

## Short Series Tee Equal Galvanised

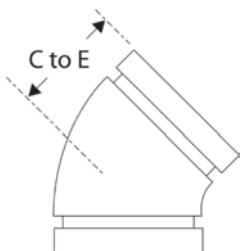


Markings:	CPS Style 110S
Compatibility:	Interchangeable with Fig 002
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100	4	FWG-20-114S	500	3.5	102
150	6	FWG-20-165S	500	3.5	142
200	8	FWG-20-219S	500	3.5	179

PIPE FITTINGS  
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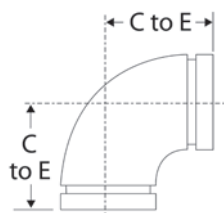
## Short Series 45° Elbow Galvanised



Markings:	CPS Style 101S
Compatibility:	Interchangeable with Fig 003
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100	4	FWG-11-114S	500	3.5	76
150	6	FWG-11-165S	500	3.5	89
200	8	FWG-11-219S	500	3.5	108

## Short Series 90° Elbow Galvanised



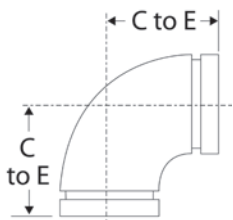
Markings:	CPS Style 100S
Compatibility:	Interchangeable with Fig 001
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100	4	FWG-10-114S	500	3.5	102
150	6	FWG-10-165S	500	3.5	142
200	8	FWG-10-219S	500	3.5	179

CG01



## Standard Series 90° Elbow Galvanised



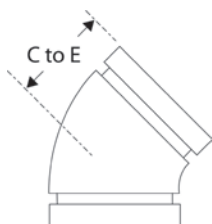
PIPE  
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Markings:	CPS Style 100
Compatibility:	Interchangeable with Fig 10
Approvals:	UL No. EX4630
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	Approvals	
			psi	MPa		UL	FM
50	2	FWG-10-60	500	3.5	83	✓	✓
65	2½	FWG-10-76	500	3.5	95	✗	✗
80	3	FWG-10-88	500	3.5	108	✓	✓
250	10	FWG-10-273	275	1.9	229	✗	✗

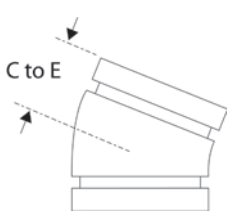
## Standard 45° Elbow Galvanised



Markings:	CPS Style 101
Compatibility:	Interchangeable with Fig 11
Approvals:	UL No. EX4630
Material:	Ductile Iron to ASTM-A536

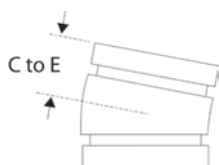
Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	Approvals	
			psi	MPa		UL	FM
50	2	FWG-11-60	500	3.5	51	✓	✓
65	2½	FWG-11-76	500	3.5	57	✗	✗
80	3	FWG-11-88	500	3.5	64	✓	✓

## Standard 22.5° Elbow Galvanised



Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100	4	FWG-22-114	500	3.5	73
150	6	FWG-22-165	400	2.8	79
200	8	FWG-221/2-219	500	3.5	197

## Standard 11.25° Elbow Galvanised

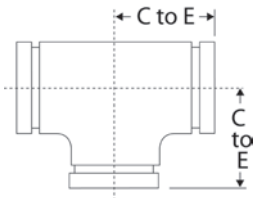


Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
80	3	FWG-111/4-88	500	3.5	38
100	4	FWG-111/4-114	500	3.5	44
150	6	FWG-111/4-165	400	2.8	51
200	8	FWG-111/4-219	500	3.5	51

Also available:  
Roll Grooved Elbows in 5 deg, 10 deg, 15 deg,  
30 deg, 58 deg, 65 deg, fabricated only.

CG01

## Standard Series Tee Equal Galvanised



Markings:	CPS Style 110
Compatibility:	Interchangeable with Fig 20
Approvals:	UL No. EX4630
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	Approvals	
			psi	MPa		UL	FM
40	1½	FWG-20-48	500	3.5	70	✓	✓
50	2	FWG-20-60	500	3.5	83	✓	✓
65	2½	FWG-20-76	500	3.5	95	✗	✗
80	3	FWG-20-88	500	3.5	108	✓	✓
250	10	FWG-20-273	275	1.9	230	✗	✗

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## Standard Reducing Tee Galvanised



Markings:	CPS Style 115
Compatibility:	Interchangeable with Fig 25
Approvals:	UL 4630
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	UL
			psi	MPa		
100 x 100 x 50	4 x 4 x 2	FWG-TEE-114-60	500	3.5	127	✓
100 x 100 x 80	4 x 4 x 3	FWG-TEE-114-88	500	3.5	127	✓
150 x 150 x 50	6 x 6 x 2	FWG-TEE-165-60	500	3.5	165	✓
150 x 150 x 80	6 x 6 x 3	FWG-TEE-165-88	500	3.5	165	✓
150 x 150 x 100	6 x 6 x 4	FWG-TEE-165-114	500	3.5	165	✓
200 x 200 x 100	8 x 8 x 4	FWG-TEE-219-114	500	3.5	197	✗

CG01

### Standard Series Tee c/w BSP outlet Galvanised

Markings:	CPS Style 115 T
Material:	Ductile Iron to ASTM-A536



Size NB	Size (inch)	Part No.	WP	
			psi	MPa
100 x 100 x 25	4 x 4 x 1	FWG-TEE-114-34	500	3.5

CG01

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### Standard Tee Bullhead Galvanised



Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	Face to Face (mm)
			psi	MPa		
80 x 80 x 100	3 x 3 x 4	FWG-BHT8888114	500	3.5	115	120

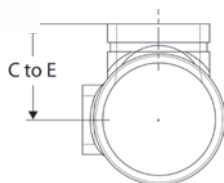
CG05

### Standard Tee Hydrant Stack Galvanised

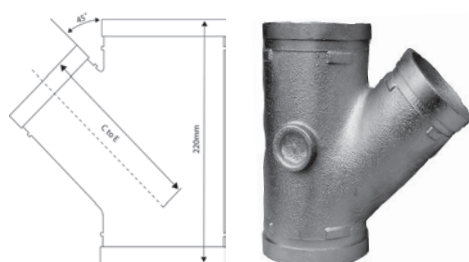


Size NB	Size (inch)	Part No.	WP		Centre to End (mm)	Face to Face (mm)
			psi	MPa		
100 x 100 x 80	4 x 4 x 3	FWG-HST-114-88	500	3.5	83	165

CG05



## Reducing Offset Tee Galvanised



<b>Application:</b>	Ideal for hydrants as only one fitting is required to fit landing valves. A full range of hydrant fabricated fittings is also available. Contact Dixon for details. Optional fitting for direct connection of landing valve to provide offset angle.
<b>Material:</b>	Ductile Iron to ASTM-A536

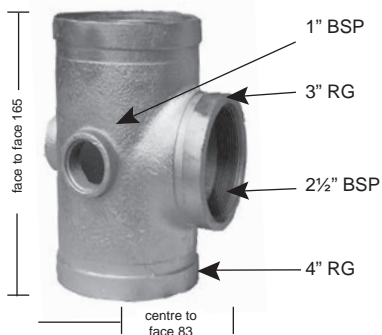
Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100 x 100 x 80	4 x 4 x 3	FWG-OST-114-88	500	3.5	158.4

CG01

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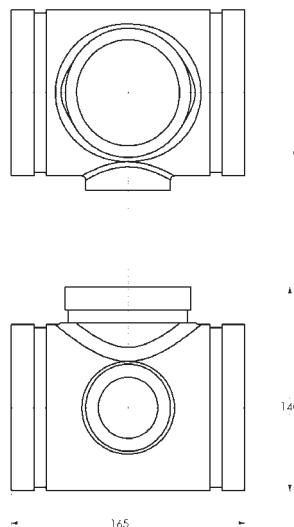
## 100mm Hydrant Hose Reel Reducing Tee Galvanised



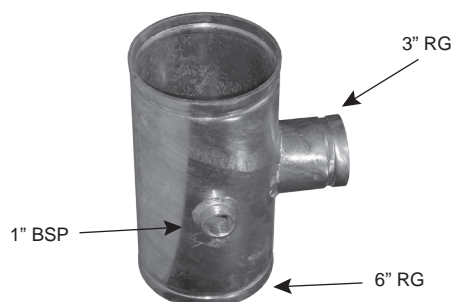
<b>Application:</b>	Ideal for hydrants as only one fitting is required to fit landing valves and hose reel connections. A full range of hydrant fabricated fittings is also available. Contact Dixon for details. Tee fitting for easy connection of landing valve and fire hose reel.
<b>Material:</b>	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100 x 80 x 65 x 25	4 x 3 x 2 1/2 x 1	FWGHHRTF1148865	500	3.5	67 / 83

CG05



## 150mm Hydrant Hose Reel Tee Galvanised



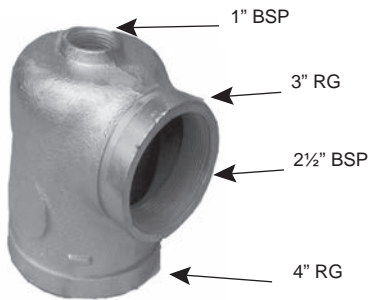
Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
150 x 80 x 25	6 x 3 x 1	FWG-TEE-1658825	400	2.8	83 / 165

CG01



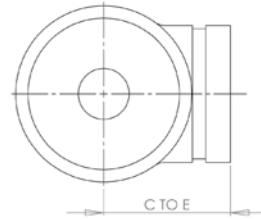
## Hydrant Hose Reel End Run Tee Galvanised

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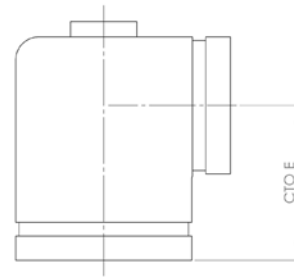


<b>Application:</b>	End of run elbow for connection of landing valve including supply offtake for hose reel connection.
<b>Material:</b>	Ductile Iron to ASTM-A536

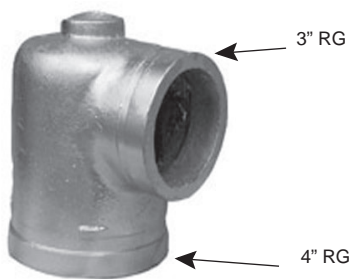
Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100 x 80 x 65 x 25	4 x 3 x 2½ x 1	FWGHHERT1148865	500	3.5	81 / 101



Centre to End Dimensions

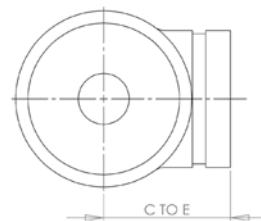


## Hydrant End Run Tee Galvanised



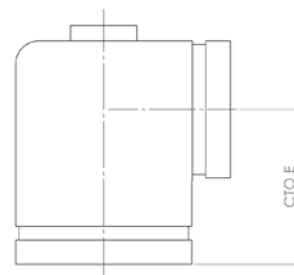
<b>Application:</b>	End of run elbow for connection of landing valve.
<b>Material:</b>	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Centre to End (mm)
			psi	MPa	
100 x 80	4 x 3	FWG-HERT-114-88	500	3.5	83 / 165



CG05

Centre to End Dimensions



## Concentric Reducers Galvanised



Roll Groove x Roll Groove

Markings:	CPS Style 140G
Compatibility:	Interchangeable with Fig 50
Approvals:	UL 4630
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	WP		Face to face (mm)	UL
			psi	MPa		
Long Series						
65 x 50	2½ x 2	FWG-50-76-60	500	3.5	64	✓
80 x 50	3 x 2	FWG-50-88-60	500	3.5	64	✓
80 x 65	3 x 2½	FWG-50-88-76	500	3.5	64	✓
100 x 50	4 x 2	FWG-50-114-60	500	3.5	76	✓
100 x 65	4 x 2½	FWG-50-114-76	500	3.5	76	*
100 x 80	4 x 3	FWG-50-114-88	500	3.5	76	✓
150 x 65	6 x 2½	FWG-50-165-76	500	3.5	102	✓
150 x 80	6 x 3	FWG-50-165-88	500	3.5	102	✓
150 x 100	6 x 4	FWG-50-165-114	500	3.5	102	✓
200 x 100	8 x 4	FWG-50-219-114	500	3.5	127	✓
200 x 150	8 x 6	FWG-50-219-165	500	3.5	127	✓



Roll Groove x Female BSP

Roll Groove x Female BSP						
Size NB	Size (inch)	Part No.	WP			
			psi	MPa		
Long Series						
50 x 25	2 x 1	FWG-50-60-34-F	500	3.5		
65 x 25	2½ x 1	FWG-50-76-34-F	500	3.5		
100 x 65	4 x 2½	FWG-50-114-76-F	500	3.5		
150 x 100	6 x 2½	FWG-50-165-76-F	500	3.5		

## Eccentric Reducers Galvanised



Roll Groove x Roll Grooved

Size NB	Size (inch)	Part No.	WP	
			psi	MPa
100 x 65	4 x 2½	FWG-51-114-76	500	3.5
100 x 80	4 x 3	FWG-51-114-88	500	3.5
150 x 80	6 x 3	FWG-51-165-88	500	3.5
150 x 65	6 x 4	FWG-51-165-114	500	3.5

CG01

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## Galvanised Mechanical Tee

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Roll Grooved



<b>Application:</b>	Mechanical Tee outlets provide a direct branch connection on a pipe run where sufficient space allows a hole to be cut. The hole is cut slightly oversize to the required branch pipe size to receive an integral locking collar and sealing gasket on the Mechanical Tee that secures the outlet in position. Eliminates, in most cases, three pipe cuts a tee piece and three couplings.
<b>Hole Cutting</b>	Before assembly of a Mechanical Tee outlet it is necessary to pre-cut a hole in the pipe to the correct size to suit the branch size. See hole diameter in table below. The hole must be drilled on the pipe centre line. It is important that the pipe surface around the hole and around the pipe circumference under the Mechanical Tee gasket seating area is free from blemishes, indentations and burrs likely to adversely affect gasket seating.
<b>Markings:</b>	CPS Style 15G (Roll Grooved) and 16T (Threaded BSP)
<b>Approvals:</b>	UL FM
<b>Material:</b>	Housing - Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	Hole Diameter	WP		Approvals	
				psi	MPa	UL	FM
80 x 50	3 x 2	FWG-922-88-60-G	62	300	2	✗	✓
100 x 50	4 x 2	FWG-922-114-60-G	62	300	2	✗	✓
100 x 65	4 x 2½	FWG-922-114-76-G	80	300	2	✗	✓
100 x 80	4 x 3	FWG-922-114-88-G	89	300	2	✓	✓
150 x 50	6 x 2	FWG-922-165-60-G	70	300	2	✗	✓
150 x 65	6 x 2½	FWG-922-165-76-G	80	300	2	✗	✓
150 x 80	6 x 3	FWG-922-165-88-G	89	300	2	✓	✓
150 x 100	6 x 4	FWG-922-165-114G	114	300	2	✗	✓
200 x 100	8 x 4	FWG-922-219-114G	114	300	2	✗	✗



Threaded BSP Female



Size NB	Size (inch)	Part No.	Hole Diameter	WP		Approvals	
				psi	MPa	UL	FM
50 x 20	2 x ¾	FWG-920-60-27-T	38	300	2	✗	✗
50 x 25	2 x 1	FWG-922-60-34	38	300	2	✓	✓
50 x 32	2 x 1¼	FWG-922-60-43	46	300	2	✓	✓
50 x 40	2 x 1½	FWG-922-60-48	46	300	2	✓	✓
65 x 25	2½ x 1	FWG-920-76-34-T	38	300	2	✓	✓
65 x 32	2½ x 1¼	FWG-920-76-43-T	50.8	300	2	✓	✓
65 x 40	2½ x 1½	FWG-920-76-48-T	50.8	300	2	✓	✓
80 x 25	3 x 1	FWG-920-88-34-T	38	300	2	✓	✓
80 x 32	3 x 1¼	FWG-920-88-43-T	52	300	2	✓	✓
80 x 40	3 x 1½	FWG-920-88-48-T	52	300	2	✓	✓
80 x 50	3 x 2	FWG-920-88-60-T	62	300	2	✓	✓
100 x 25	4 x 1	FWG-920-114-34T	38	300	2	✓	✓
100 x 32	4 x 1¼	FWG-920-114-43T	46	300	2	✓	✓
100 x 40	4 x 1½	FWG-920-114-48T	52	300	2	✓	✓
100 x 50	4 x 2	FWG-920-114-60T	62	300	2	✓	✓
100 x 65	4 x 2½	FWG-920-114-76T	80	300	2	✓	✓
150 x 25	6 x 1	FWG-920-165-34T	60	300	2	✗	✗
150 x 32	6 x 1¼	FWG-920-165-43T	46	300	2	✓	✓
150 x 40	6 x 1½	FWG-920-165-48T	52	300	2	✓	✓
150 x 50	6 x 2	FWG-920-165-60T	70	300	2	✓	✓
150 x 65	6 x 2½	FWG-920-165-76T	80	300	2	✓	✓

Other size combinations also available.  
Contact Dixon for details.

CG01

## Galvanised Screwed Adaptors



NB RG x Thread	RG Size (inch)	Thread Size BSP (inch)	Part No.	WP	
				psi	MPa
25 x 25	1	1	FWG-SA-25-25BSP	500	3.5
32 x 32	1¼	1¼	FWG-SA-32-32BSP	500	3.5
40 x 40	1½	1½	FWG-SA-40-40BSP	500	3.5
50 x 40	2	1½	FWG-SA-50-40BSP	500	3.5
50 x 50	2	2	FWG-SA-50-50BSP	500	3.5
65 x 65	2½	2½	FWG-SA-65-65BSP	500	3.5
80 x 80	3¼	3	FWG-SA-80-80BSP	500	3.5
100 x 100	4	4	FWG-SA-100100BSP	i 500	3.5
100 x 125	4	5	FWG-SA-100125BSP	500	3.5
150 x 125	6	5	FWG-SA-150125BSP	500	3.5
150 x 150	6	6	FWG-SA-150150BSP	500	3.5

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## End Cap



<b>Material:</b>	Ductile Iron to ASTM-A536
<b>Markings:</b>	CPS Style 150
<b>Compatibility:</b>	Interchangeable with Fig 6
<b>Approvals:</b>	UL FM

Size NB	Size (inch)	Part No.	WP		Approvals	
			psi	MPa	UL	FM
50	2	FWG-60-60	500	3.5	✓	✓
65	2½	FWG-60-76	500	3.5	✓	✓
80	3	FWG-60-88	500	3.5	✓	✓
100	4	FWG-60-114	500	3.5	✓	✓
150	6	FWG-60-165	500	3.5	✓	✓
200	8	FWG-60-219	500	3.5	✓	✓

## Galvanised RG End Cap c/w BSP outlet



Size NB	Size (inch)	Part No.	WP	
			psi	MPa
80 x 25	3 x 1	FWG-60-88T	500	3.5
100 x 25	4 x 1	FWG-60-114T	500	3.5
150 x 25	6 x 1	FWG-60-165T	500	3.5
200 x 50	8 x 2	FWG-60-219T	500	3.5

CG01



## Copper Roll Grooved Brazing Adaptors

<b>Application:</b>	Copper adaptor is designed to braze directly to copper pipe, adapting to the roll grooved system.
<b>Material:</b>	Brass

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Roll Groove Brazing Adaptors for Copper Pipe

Size (inch)	Part No.	Description
2	FFS-BA50CU60RG	50.8 Copper x 60.3 RG
2½	FFS-BA63CU76RG	i 63.5 Copper x 76.1 RG
3	FFS-BA80CU88RG	76.2 Copper x 88.9 RG
4	FFS-BA100CU114RG	101.6 Copper x 114.3 RG
6	FFS-BA150CU165RG	152.4 Copper x 165.1 RG
8	FFS-BA200CU219RG	i 203.2 Copper x 219.1 RG

FP01

## Galvanised Ductile Iron Flange Adaptor



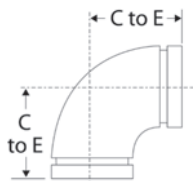
Roll Groove x Table D & E

Size NB	Size (inch)	Part No.	Length (L) (mm)	Style
50	2	FWG-FA-60DE	100	Table D/E
65	2½	FWG-FA-76DE	60	Table D/E
80	3	FWG-FA-88DE	60	Table D/E
100	4	FWG-FA-114D	60	Table D
100	4	FWG-FA-114E	60	Table E
150	6	FWG-FA-165E	65	Table E
200	8	FWG-FA-219E	85	Table E

CG01



## Painted 90° Elbow

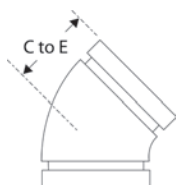


Markings:	CPS Style 100
Compatibility:	Interchangeable with Fig 10
Approvals:	UL FM
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	Centre to End (mm)	WP		Approvals	
				psi	MPa	UL	FM
32	1¼	FWP-10-42	70	500	3.5	✓	✓
40	1½	FWP-10-48	70	500	3.5	✓	✓
50	2	FWP-10-60	83	500	3.5	✓	✓
65	2½	FWP-10-76	95	500	3.5	✓	✓
80	3	FWP-10-88	108	500	3.5	✓	✓
100	4	FWP-10-114	127	500	3.5	✓	✓
150	6	FWP-10-165	165	500	3.5	✗	✗
150	6	FWP-10-165-SR	i 165	500	3.5	✗	✗
200	8	FWP-10-219	i 197	500	3.5	✓	✓

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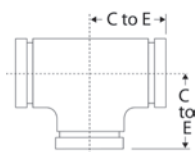
## Painted 45° Elbow



Markings:	CPS Style 101
Compatibility:	Interchangeable with Fig 11
Approvals:	UL FM
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	Centre to End (mm)	WP		Approvals	
				psi	MPa	UL	FM
32	1¼	FWP-11-42	44.5	500	3.5	✓	✓
40	1½	FWP-11-48	44.5	500	3.5	✓	✓
50	2	FWP-11-60	51	500	3.5	✓	✓
65	2½	FWP-11-76	i 57	500	3.5	✗	✗
80	3	FWP-11-88	64	500	3.5	✓	✓
100	4	FWP-11-114	i 76	500	3.5	✓	✓
150	6	FWP-11-165	i 89	500	3.5	✗	✗
200	8	FWP-11-219	i 108	500	3.5	✓	✓

## Painted Equal Tee



Markings:	CPS Style 110
Compatibility:	Interchangeable with Fig 20
Approvals:	UL FM
Material:	Ductile Iron to ASTM-A536

Size NB	Size (inch)	Part No.	Centre to End (mm)	WP		Approvals	
				psi	MPa	UL	FM
32	1¼	FWP-20-42	70	500	3.5	✓	✓
40	1½	FWP-20-48	70	500	3.5	✓	✓
50	2	FWP-20-60	83	500	3.5	✓	✓
65	2½	FWP-20-76	95	500	3.5	✗	✗
80	3	FWP-20-88	108	500	3.5	✓	✓
100	4	FWP-20-114	127	500	3.5	✓	✓
150	6	FWP-20-165	i 165	500	3.5	✗	✗

CG06

## Specifications

Malleable Iron	
Application:	General low pressure air & water.
Body Material:	ISO 5922 Malleable Cast Iron
Design Standards:	Generally in accordance with AS3673. Slight variations may occur where manufacturer's dimensions are used.
Thread Standard	ISO 7-1 - Pipe threads where pressure-tight joints are made on the threads
Plating Standard	ISO 1461 - Hot dip galvanized coatings on fabricated iron and steel articles
Working Pressure:	150psi

## 90° Elbow

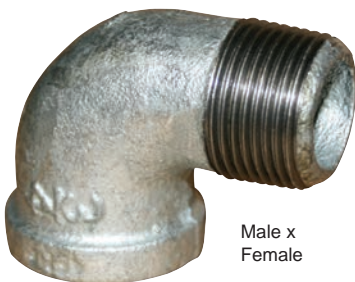


Female x  
Female

Thread Size BSP (Inch)	Galvanised Malleable	
	Part No.	
¼	FMG-EFF-8	i
⅜	FMG-EFF-10	
½	FMG-EFF-15	
¾	FMG-EFF-20	
1	FMG-EFF-25	
1¼	FMG-EFF-32	
1½	FMG-EFF-40	
2	FMG-EFF-50	
2½	FMG-EFF-65	
3	FMG-EFF-80	
4	FMG-EFF-100	

GM01

## 90° Elbow



Male x  
Female

Thread Size BSP (Inch)	Galvanised Malleable	
	Part No.	
¼	FMG-EMF-8	i
⅜	FMG-EMF-10	
½	FMG-EMF-15	
¾	FMG-EMF-20	
1	FMG-EMF-25	
1¼	FMG-EMF-32	
1½	FMG-EMF-40	
2	FMG-EMF-50	
2½	FMG-EMF-65	
3	FMG-EMF-80	
4	FMG-EMF-100	

GM01

## 90° Reducing Elbow



Female x Female

Thread Size BSP (Inch)	Galvanised Malleable	
	Part No.	
¾ x ½		FMG-EFF-20-15
1 x ¾		FMG-EFF-25-10
1 x ½		FMG-EFF-25-15
1 x ¾		FMG-EFF-25-20
1¼ x ¾		FMG-EFF-32-10
1¼ x ½		FMG-EFF-32-15
1¼ x ¾		FMG-EFF-32-20
1¼ x 1		FMG-EFF-32-25
1½ x ½		FMG-EFF-40-15
1½ x ¾		FMG-EFF-40-20
1½ x 1		FMG-EFF-40-25
1½ x 1¼		FMG-EFF-40-32
2 x ½		FMG-EFF-50-15
2 x ¾		FMG-EFF-50-20
2 x 1		FMG-EFF-50-25
2 x 1¼		FMG-EFF-50-32
2 x 1½		FMG-EFF-50-40

GM01

PIPE FITTINGS

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## 90° Bends



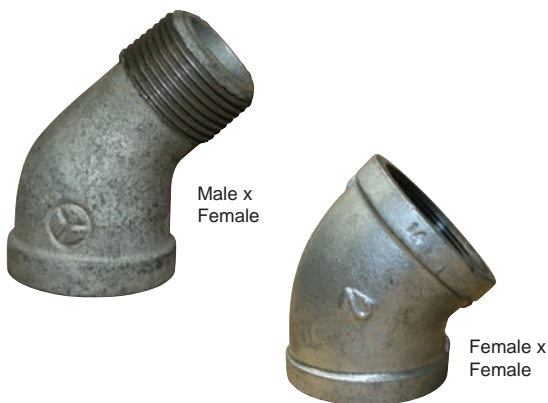
Male x Female

Female x Female

Thread Size BSP (inch)	Galvanised Malleable			
	Male x Female		Female x Female	
	Part No.		Part No.	
¼	-		FMG-BFF-8	i
¾	-		FMG-BFF-10	i
½	FMG-BMF-15	i	FMG-BFF-15	
¾	FMG-BMF-20		FMG-BFF-20	i
1	FMG-BMF-25		FMG-BFF-25	
1¼	FMG-BMF-32		FMG-BFF-32	
1½	FMG-BMF-40		FMG-BFF-40	
2	FMG-BMF-50		FMG-BFF-50	
2½	FMG-BMF-65		FMG-BFF-65	i
3	FMG-BMF-80		FMG-BFF-80	i
4	FMG-BMF-100		FMG-BFF-100	

GM01

## 45° Elbows



Male x Female

Female x Female

Thread Size BSP (inch)	Galvanised Malleable			
	Male x Female		Female x Female	
	Part No.		Part No.	
½	FMG-EMF45-15		FMG-EFF45-15	
¾	FMG-EMF45-20		FMG-EFF45-20	
1	FMG-EMF45-25		FMG-EFF45-25	
1¼	FMG-EMF45-32		FMG-EFF45-32	
1½	FMG-EMF45-40		FMG-EFF45-40	
2	FMG-EMF45-50		FMG-EFF45-50	
2½	FMG-EMF45-65	i	FMG-EFF45-65	
3	FMG-EMF45-80	i	FMG-EFF45-80	
4	FMG-EMF45-100	i	FMG-EFF45-100	

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Part numbers marked "i" are non stock.  
Enquire for availability.

## Tee Equal



Female

PIPE  
FITTINGS

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Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¼	FMG-TEE-8	
⅜	FMG-TEE-10	
½	FMG-TEE-15	
¾	FMG-TEE-20	
1	FMG-TEE-25	
1¼	FMG-TEE-32	
1½	FMG-TEE-40	
2	FMG-TEE-50	
2½	FMG-TEE-65	
3	FMG-TEE-80	
4	FMG-TEE-100	

## Tee Reducing



Female

Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
½ x ⅜	FMG-TEE-15-10	i
¾ x ⅜	FMG-TEE-20-10	i
¾ x ½	FMG-TEE-20-15	
1 x ⅜	FMG-TEE-25-10	
1 x ½	FMG-TEE-25-15	
1 x ¾	FMG-TEE-25-20	i
1¼ x ⅜	FMG-TEE-32-10	i
1¼ x ½	FMG-TEE-32-15	
1¼ x ¾	FMG-TEE-32-20	i
1¼ x 1	FMG-TEE-32-25	
1½ x ⅜	FMG-TEE-40-10	
1½ x ½	FMG-TEE-40-15	
1½ x ¾	FMG-TEE-40-20	i
1½ x 1	FMG-TEE-40-25	
1½ x 1¼	FMG-TEE-40-32	
2 x ½	FMG-TEE-50-15	
2 x ¾	FMG-TEE-50-20	
2 x 1	FMG-TEE-50-25	
2 x 1¼	FMG-TEE-50-32	
2 x 1½	FMG-TEE-50-40	
2½ x 1	FMG-TEE-65-25	i
2½ x 1¼	FMG-TEE-65-32	i
2½ x 1½	FMG-TEE-65-40	i
2½ x 2	FMG-TEE-65-50	
3 x 1½	FMG-TEE-80-40	i
3 x 2	FMG-TEE-80-50	i
4 x 2½	FMG-TEE-100-65	i
4 x 3	FMG-TEE-100-80	i

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Part numbers marked "i" are non stock.  
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## Tee Reducing Special



Female

Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
1 x 1 x 1¼	FMG-TEE-25-25-32	
1 x 1 x 1½	FMG-TEE-25-25-40	
1 x 1 x 2	FMG-TEE-25-25-50	i
1¼ x 1 x ½	FMG-TEE-32-25-15	i
1¼ x 1 x 1	FMG-TEE-32-25-25	
1¼ x 1 x 1¼	FMG-TEE-32-25-32	
1¼ x 1¼ x 1½	FMG-TEE-32-32-40	i
1¼ x 1¼ x 2	FMG-TEE-32-32-50	i
1½ x 1¼ x ½	FMG-TEE-40-32-15	i
1½ x 1¼ x 1	FMG-TEE-40-32-25	i
1½ x 1¼ x 1¼	FMG-TEE-40-32-32	i
1½ x 1¼ x 2	FMG-TEE-40-32-50	
2 x 1½ x 1	FMG-TEE-50-40-25	i
2 x 1½ x 1¼	FMG-TEE-50-40-32	i
2 x 1½ x 1½	FMG-TEE-50-40-40	i
2 x 2 x 2½	FMG-TEE-50-50-65	i

PIPE FITTINGS  
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## Hex Nipples



PIPE  
FITTINGS

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Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
3/8	FMG-HN-10	
1/2	FMG-HN-15	
3/4	FMG-HN-20	
1	FMG-HN-25	
1 1/4	FMG-HN-32	
1 1/2	FMG-HN-40	
2	FMG-HN-50	
2 1/2	FMG-HN-65	
3	FMG-HN-80	
4	FMG-HN-100	

Reducing  
Hex Nipples

Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
1/4 x 3/8	FMG-HN-8-6	
3/8 x 1/2	FMG-HN-10-6	
3/8 x 3/4	FMG-HN-10-8	
1/2 x 3/8	FMG-HN-15-6	i
1/2 x 1/4	FMG-HN-15-8	
1/2 x 3/8	FMG-HN-15-10	
3/4 x 1/4	FMG-HN-20-8	i
3/4 x 3/8	FMG-HN-20-10	i
3/4 x 1/2	FMG-HN-20-15	
1 x 1/2	FMG-HN-25-15	
1 x 3/4	FMG-HN-25-20	
1 1/4 x 1/2	FMG-HN-32-15	
1 1/4 x 3/4	FMG-HN-32-20	
1 1/4 x 1	FMG-HN-32-25	
1 1/2 x 1/2	FMG-HN-40-15	
1 1/2 x 3/4	FMG-HN-40-20	i
1 1/2 x 1	FMG-HN-40-25	
1 1/2 x 1 1/4	FMG-HN-40-32	
2 x 1	FMG-HN-50-25	
2 x 1 1/4	FMG-HN-50-32	
2 x 1 1/2	FMG-HN-50-40	
2 1/2 x 3/4	FMG-HN-65-50	
3 x 2	FMG-HN-80-50	
3 x 2 1/2	FMG-HN-80-65	
4 x 2	FMG-HN-100-50	
4 x 2 1/2	FMG-HN-100-65	
4 x 3	FMG-HN-100-80	

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## Sockets



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¼	FMG-SOC-8	
⅜	FMG-SOC-10	
½	FMG-SOC-15	
¾	FMG-SOC-20	
1	FMG-SOC-25	
1¼	FMG-SOC-32	
1½	FMG-SOC-40	
2	FMG-SOC-50	
2½	FMG-SOC-65	
3	FMG-SOC-80	
4	FMG-SOC-100	

GM01

PIPE  
FITTINGS  
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## Reducing Sockets



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¾ x ½	FMG-SOC-10-6	i
¾ x ¼	FMG-SOC-10-8	
½ x ⅜	FMG-SOC-15-6	i
½ x ¼	FMG-SOC-15-8	i
½ x ⅜	FMG-SOC-15-10	
¾ x ⅜	FMG-SOC-20-10	
¾ x ½	FMG-SOC-20-15	
1 x ⅜	FMG-SOC-25-10	
1 x ½	FMG-SOC-25-15	
1 x ¾	FMG-SOC-25-20	
1¼ x ⅜	FMG-SOC-32-10	i
1¼ x ½	FMG-SOC-32-15	
1¼ x ¾	FMG-SOC-32-20	
1¼ x 1	FMG-SOC-32-25	
1½ x ½	FMG-SOC-40-15	i
1½ x ¾	FMG-SOC-40-20	i
1½ x 1	FMG-SOC-40-25	
1½ x 1¼	FMG-SOC-40-32	
2 x ½	FMG-SOC-50-15	i
2 x ¾	FMG-SOC-50-20	
2 x 1	FMG-SOC-50-25	
2 x 1¼	FMG-SOC-50-32	
2 x 1½	FMG-SOC-50-40	
2½ x 1	FMG-SOC-65-25	
2½ x 1¼	FMG-SOC-65-32	i
2½ x 1½	FMG-SOC-65-40	i
2½ x 2	FMG-SOC-65-50	
3 x 2	FMG-SOC-80-50	
3 x 2½	FMG-SOC-80-65	
4 x 2	FMG-SOC-100-50	
4 x 2½	FMG-SOC-100-65	
4 x 3	FMG-SOC-100-80	

GM01

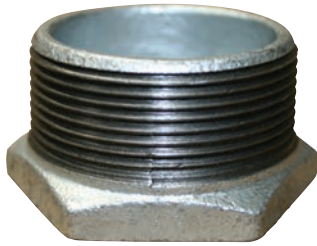
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Part numbers marked "i" are non stock.  
Enquire for availability.

Reducing  
Hex BushPIPE  
FITTINGS

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Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¼ x ¼	FMG-BUS-8-6	
¾ x ¼	FMG-BUS-10-6	i
¾ x ¼	FMG-BUS-10-8	
½ x ¼	FMG-BUS-15-6	
½ x ¼	FMG-BUS-15-8	
½ x 1 ¼	FMG-BUS-15-10	
¾ x ¼	FMG-BUS-20-8	
¾ x ¾	FMG-BUS-20-10	
¾ x ½	FMG-BUS-20-15	
1 x ¼	FMG-BUS-25-8	
1 x ¾	FMG-BUS-25-10	
1 x ½	FMG-BUS-25-15	
1 x ¾	FMG-BUS-25-20	
1 ¼ x ½	FMG-BUS-32-15	
1 ¼ x ¾	FMG-BUS-32-20	
1 ¼ x 1	FMG-BUS-32-25	
1 ½ x ½	FMG-BUS-40-15	i
1 ½ x ¾	FMG-BUS-40-20	
1 ½ x 1	FMG-BUS-40-25	
1 ½ x 1 ¼	FMG-BUS-40-32	
2 x ½	FMG-BUS-50-15	
2 x ¾	FMG-BUS-50-20	
2 x 1	FMG-BUS-50-25	
2 x 1 ¼	FMG-BUS-50-32	
2 x 1 ½	FMG-BUS-50-40	
2 ½ x ½	FMG-BUS-65-15	i
2 ½ x 1	FMG-BUS-65-25	
2 ½ x 1 ¼	FMG-BUS-65-32	
2 ½ x 1 ½	FMG-BUS-65-40	
2 ½ x 2	FMG-BUS-65-50	
3 x 1	FMG-BUS-80-25	
3 x 1 ½	FMG-BUS-80-40	
3 x 2	FMG-BUS-80-50	
3 x 2 ½	FMG-BUS-80-65	
4 x 2	FMG-BUS-100-50	
4 x 2 ½	FMG-BUS-100-65	
4 x 3	FMG-BUS-100-80	
6 x 3	FMG-BUS-150-80	i
6 x 4	FMG-BUS-150-100	

GM01

## Hex Plug



*Available while stocks last!*

Thread Size BSP (inch)	Galvanised Steel	
	Part No.	
½	FSG-PL-15	i
¾	FSG-PL-20	i
1	FSG-PL-25	i
1¼	FSG-PL-32	i
1½	FSG-PL-40	i
2	FSG-PL-50	i

GS01

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FITTINGS

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## Socket Plug



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¼	FMG-HP-6	
⅜	FMG-HP-8	
½	FMG-HP-10	
¾	FMG-HP-15	
1	FMG-HP-20	
1¼	FMG-HP-25	
1½	FMG-HP-32	
2	FMG-HP-40	
2½	FMG-HP-50	
3	FMG-HP-65	
4	FMG-HP-80	
	FMG-HP-100	

GM01

## Offset Adaptor BSP



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
1 x 1¼	FMG-OAD-25-32	i
1 x 1¾	FMG-OAD-25-45	i
1 x 2¼	FMG-OAD-25-57	i
1 x 2¾	FMG-OAD-25-70	i

GM01

## Union



Female x Female

Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
½	FMG-UBS-15	
¾	FMG-UBS-20	
1	FMG-UBS-25	
1¼	FMG-UBS-32	
1½	FMG-UBS-40	
2	FMG-UBS-50	
2½	FMG-UBS-65	
3	FMG-UBS-80	
4	FMG-UBS-100	i

GM01

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Part numbers marked "i" are non stock.  
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## Flanges

PIPE  
FITTINGS

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Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
½	FMG-FD-15	
¾	FMG-FD-20	
1	FMG-FD-25	
1¼	FMG-FD-32	
1½	FMG-FD-40	
2	FMG-FD-50	
2	FMG-FD-65	
2½	FMG-FD-80	
3	FMG-FD-100	
6	FMG-FD-150	

GM01

## Cross



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
½	FMG-CRO-15	
¾	FMG-CRO-20	
1	FMG-CRO-25	
1¼	FMG-CRO-32	i
1½	FMG-CRO-40	
2	FMG-CRO-50	
2½	FMG-CRO-65	i
3	FMG-CRO-80	
4	FMG-CRO-100	i

GM01

## Backnuts



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
½	FMG-BAC-15	i
¾	FMG-BAC-20	
1	FMG-BAC-25	
1¼	FMG-BAC-32	i
1½	FMG-BAC-40	i
2	FMG-BAC-50	i
2½	FMG-BAC-65	i
3	FMG-BAC-80	i
4	FMG-BAC-100	i

GM01

## Caps



Thread Size BSP (inch)	Galvanised Malleable	
	Part No.	
¼	FMG-CAP-8	i
⅜	FMG-CAP-10	i
½	FMG-CAP-15	
¾	FMG-CAP-20	
1	FMG-CAP-25	
1¼	FMG-CAP-32	
1½	FMG-CAP-40	
2	FMG-CAP-50	
2½	FMG-CAP-65	
3	FMG-CAP-80	
4	FMG-CAP-100	

GM01

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**Hydrant Assemblies by State** ----- **36 - 60**

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**Sprinkler Cabinet** -----**65**

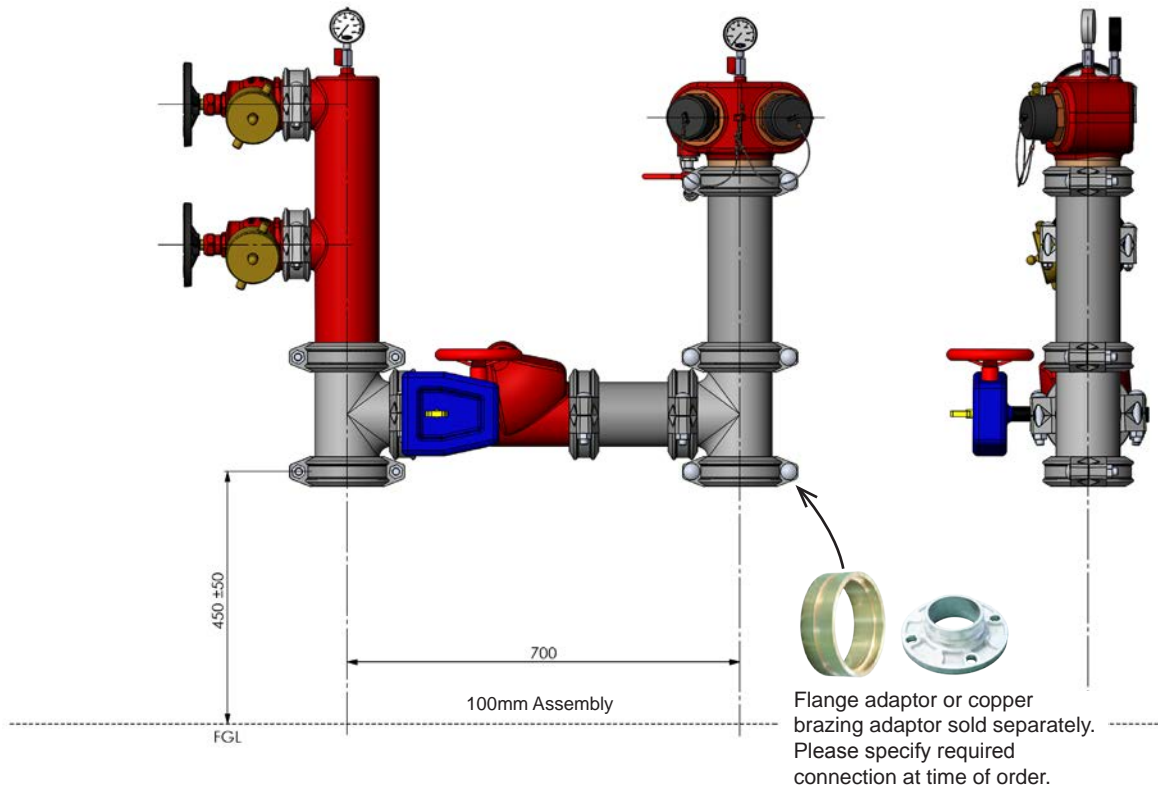
**Stand Pipe Assemblies**----- **66 - 67**

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AND  
BOOSTERS**  
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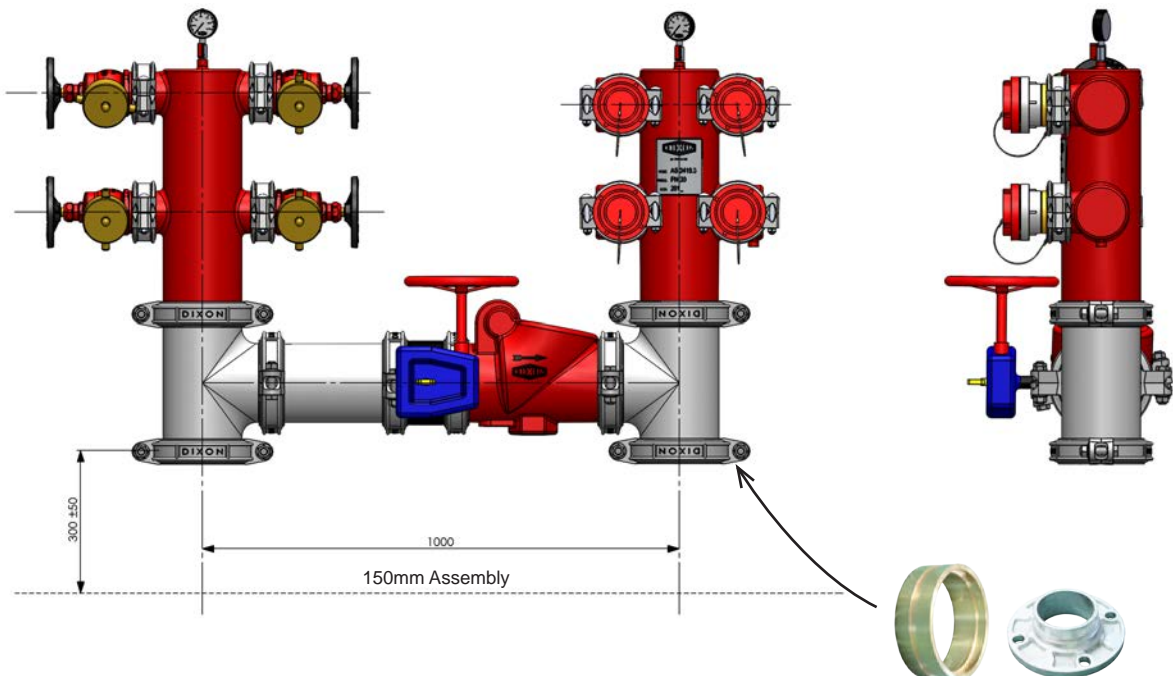


## Combined Suction/Booster

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



All Suction & Landing valves come fitted with Aluminium Forged alloy DIN Storz couplings as standard.



Part No.	Size NB	Description
FFS-100MMCSB-S	100	2 Point Suction / Booster Assembly
FFS-150MMCSB-S	150	4 Point Suction / Booster Assembly
FFS-200MMCSB-S	i 200	6 Point Suction / Booster Assembly

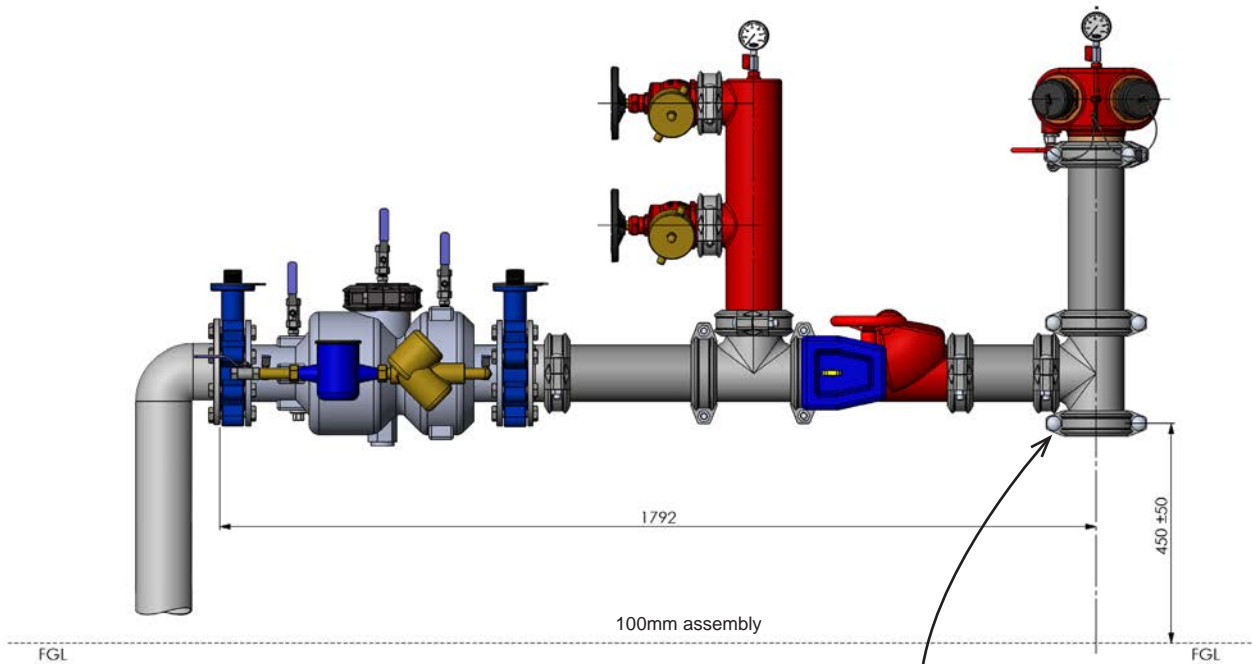
Note: Dimensions based on using Short Series Fittings

FP02

## Combined Suction/Booster c/w DDCV Backflow Prevention

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

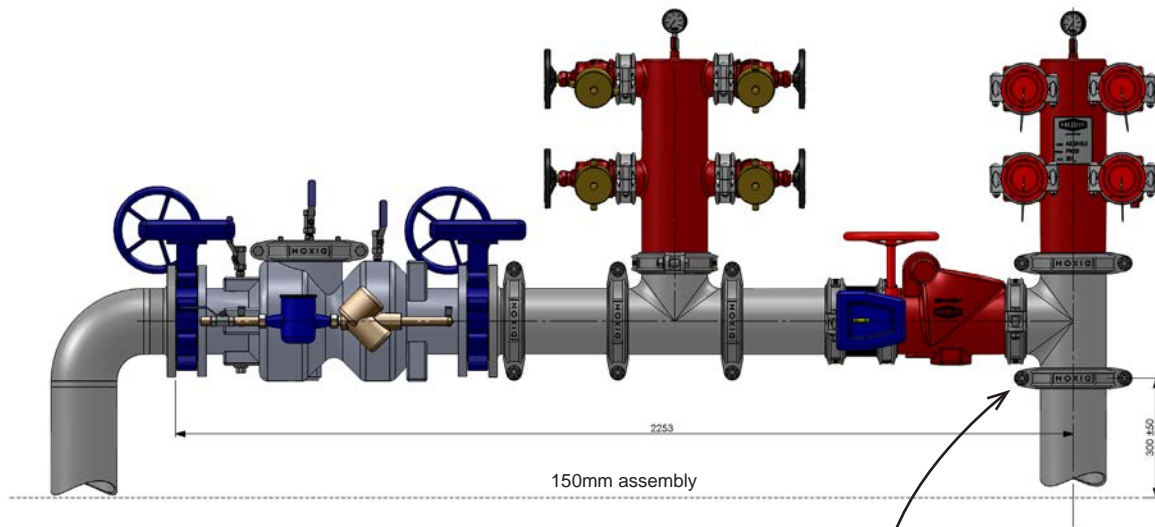
HYDRANTS AND BOOSTERS  
Page 35 - 67



Flange adaptor or copper brazing adaptor sold separately. Please specify required connection at time of order.



All Suction & Landing valves come fitted with Aluminium Forged alloy DIN Storz couplings as standard.



Flange adaptor or copper brazing adaptor sold separately. Please specify required connection at time of order.



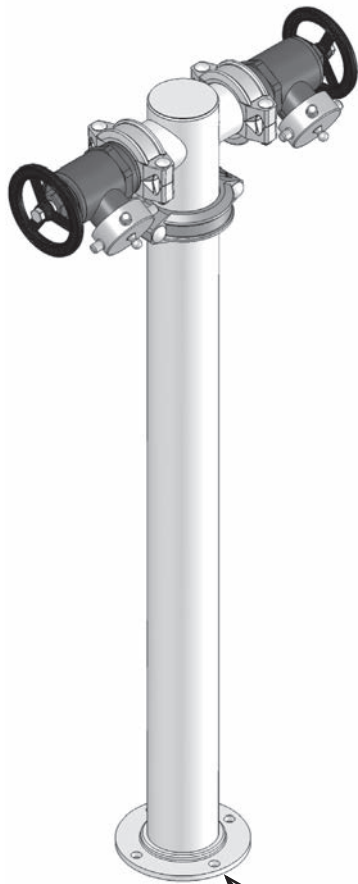
Part No.	Size NB	Description
FFS-100MMBFP-S	100	2 Point Suction / Booster Assembly
FFS-150MMBFP-S	150	4 Point Suction / Booster Assembly
FFS-200MMBFP-S	i 200	6 Point Suction / Booster Assembly

Note: Inlet connections and supports are not supplied as standard. Outlet adaptor supplied on request refer to page 24. Dimensions based on using Short Series Fittings

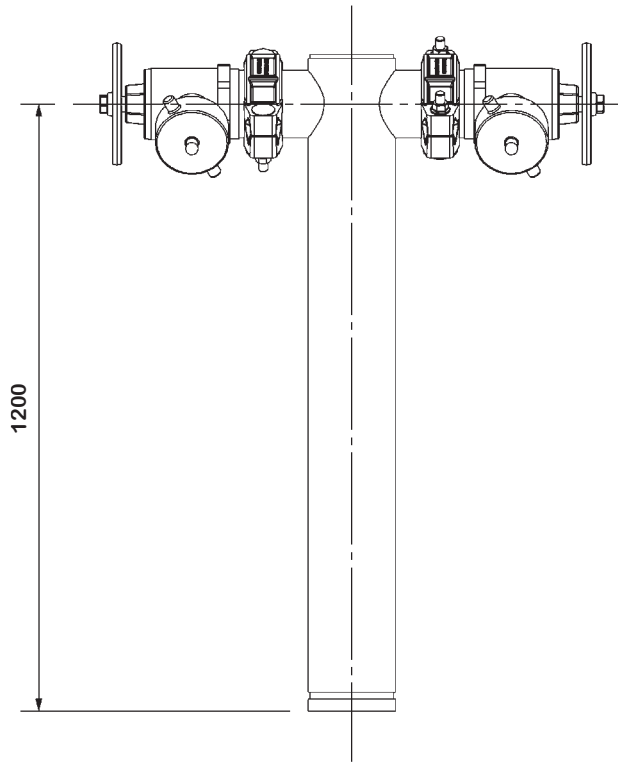
FP02

Note: Standard 150mm S & B assembly has lever operated Watermarked butterfly valves, gear box actuated valves can be supplied as an option at additional cost.

## Twin Hydrant Riser



Flange available in Table 'E' or Table 'D'



Part No.	Description
FKG-HR-114-88-S	100NB Galv Hydrant Riser Kit

FP02

Note: Supplied as roll groove end connection.  
 Roll groove to flange adaptor available, refer to page 24 of this catalogue.  
 Storz couplings & caps refer page 76.

Fixed flange and made to order assemblies are available on request.

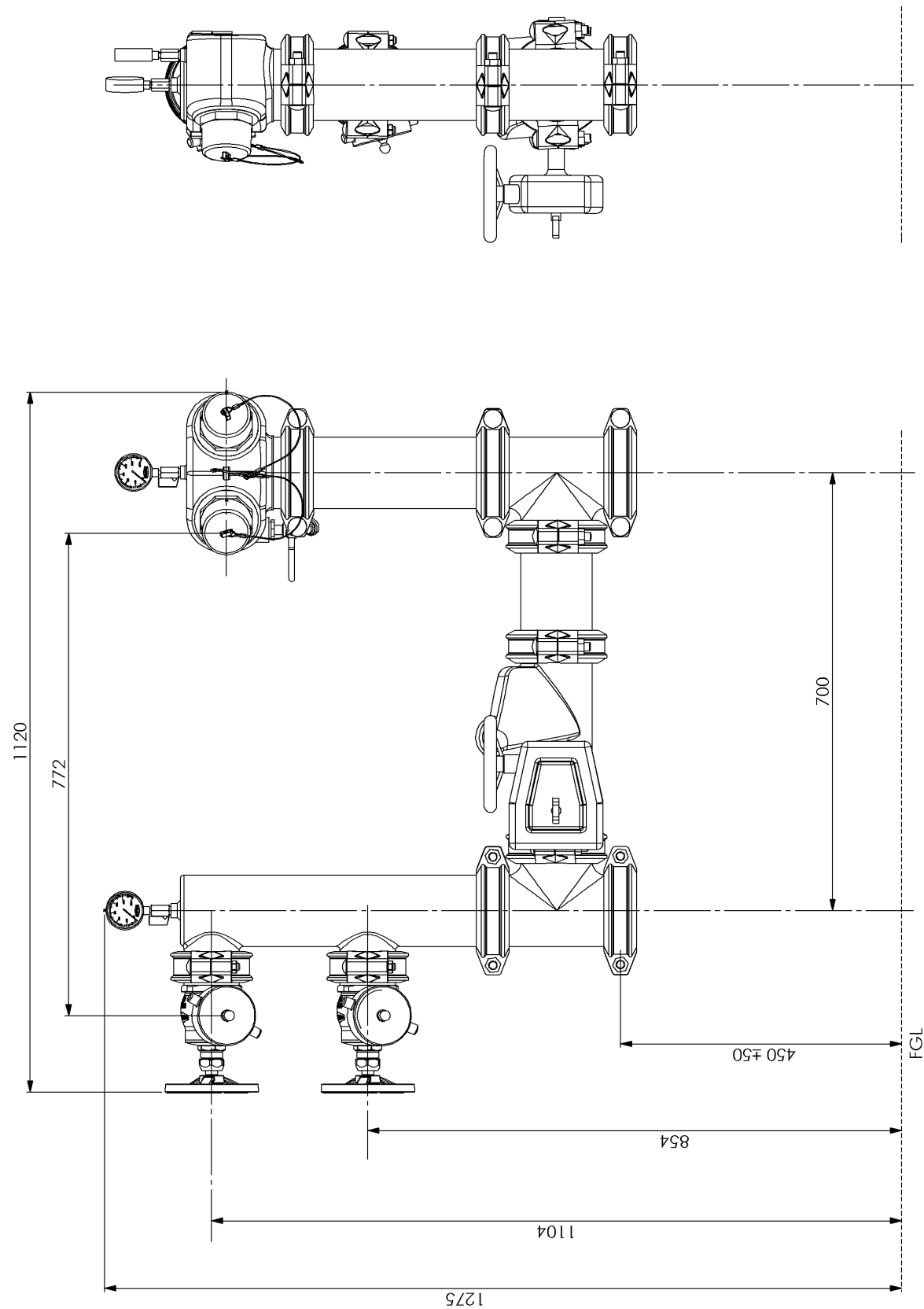
Cut and roll groove to length service available.



## 100 NB 2 Point Combined Suction/Booster - 'H' Pattern

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



Note: Storz couplings (DIN Std - Forged Aluminium Alloy) supplied for suction & booster points in standard kit.

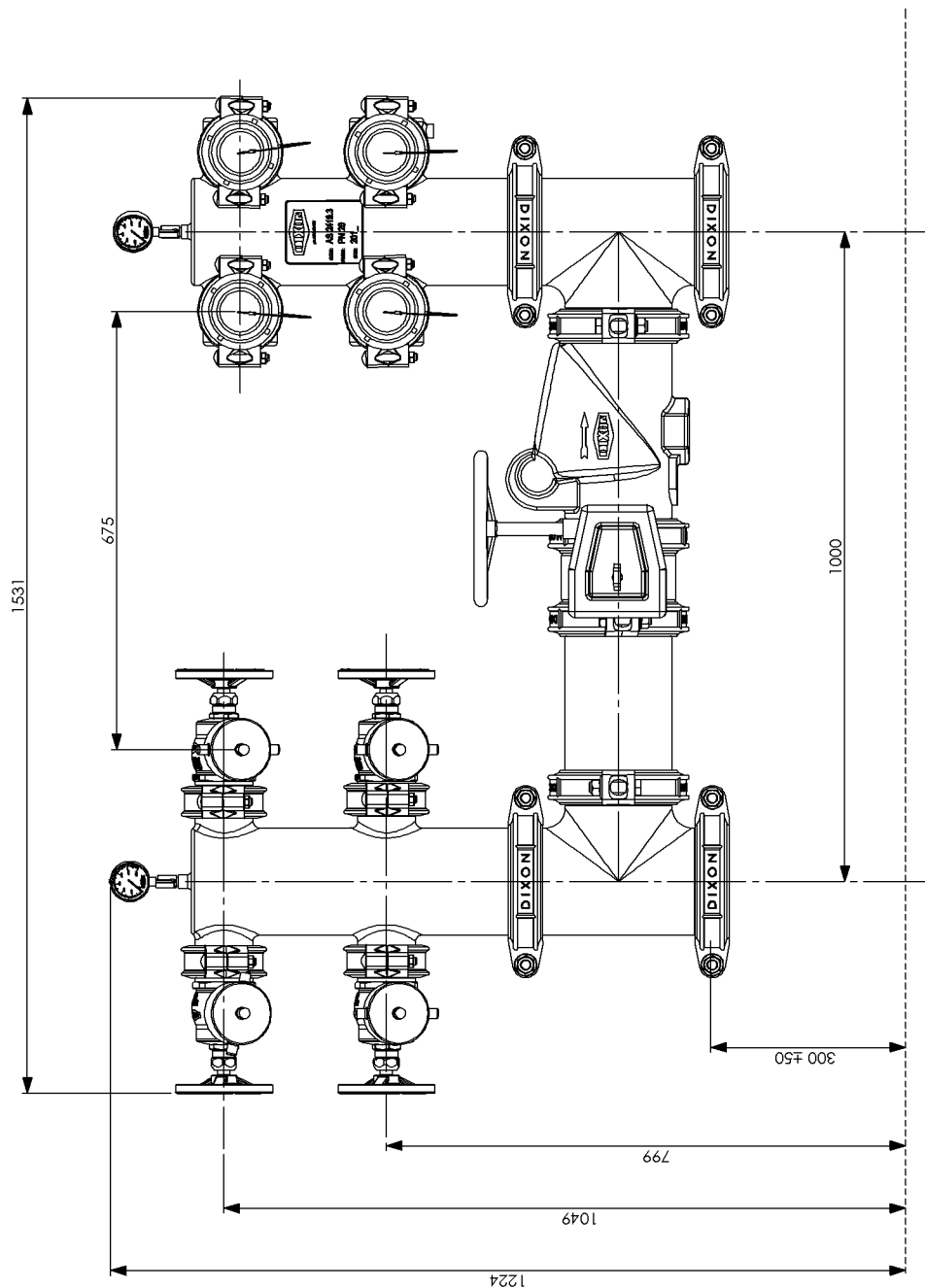
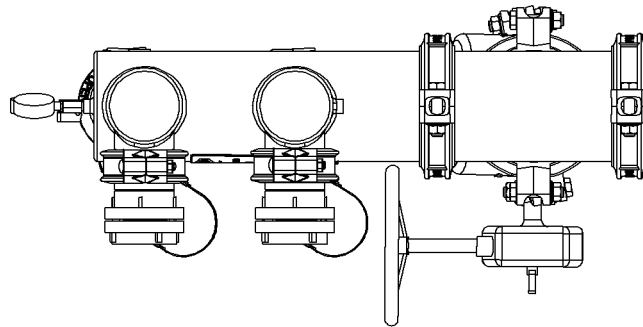
**HYDRANTS  
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## 150 NB 4 Point Combined Suction/Booster - 'H' Pattern

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

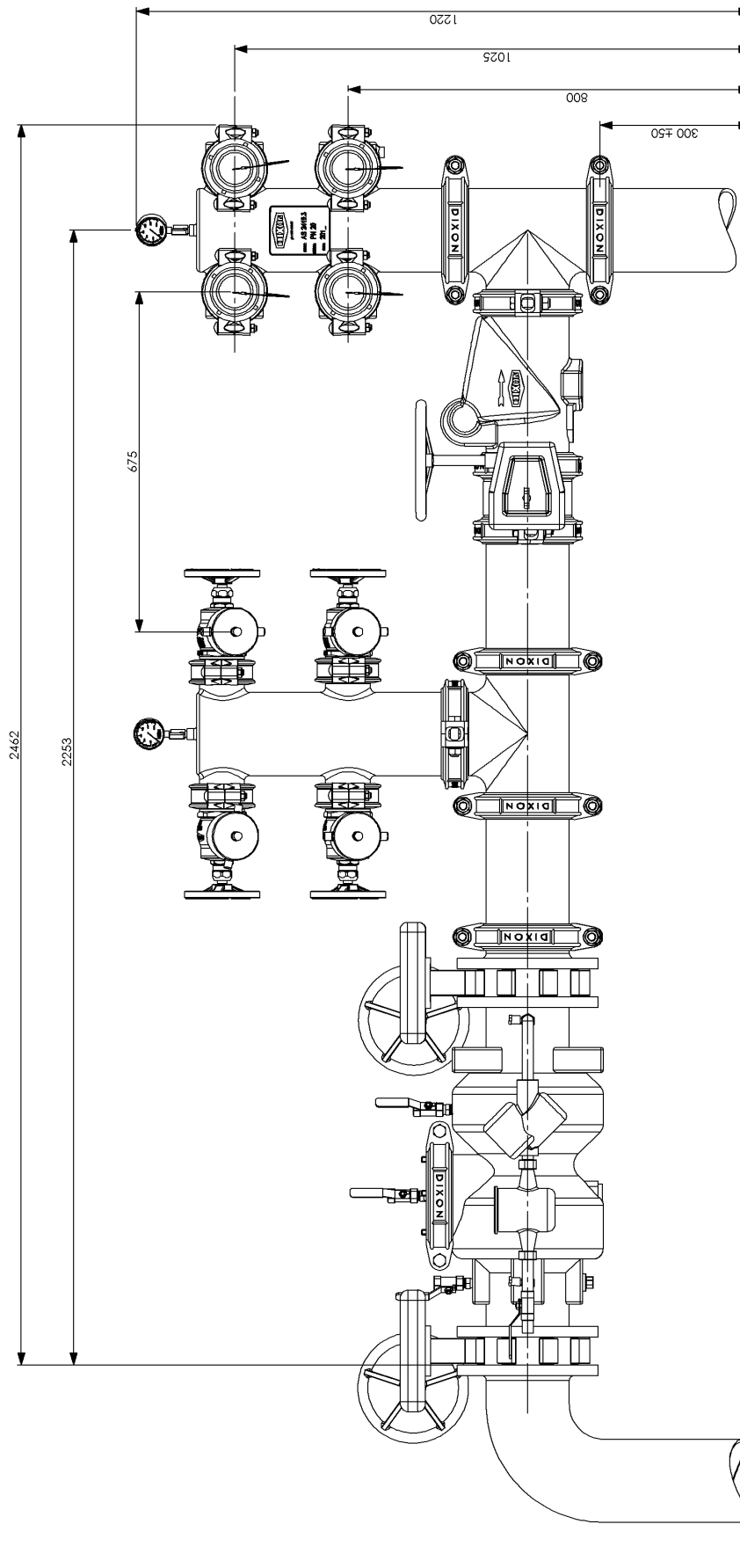


Note: Storz couplings (DIN Std - Forged Aluminium Alloy) supplied for suction & booster points in standard kit.

## 100mm Combined Suction/Booster c/w DDCV Backflow Prevention

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

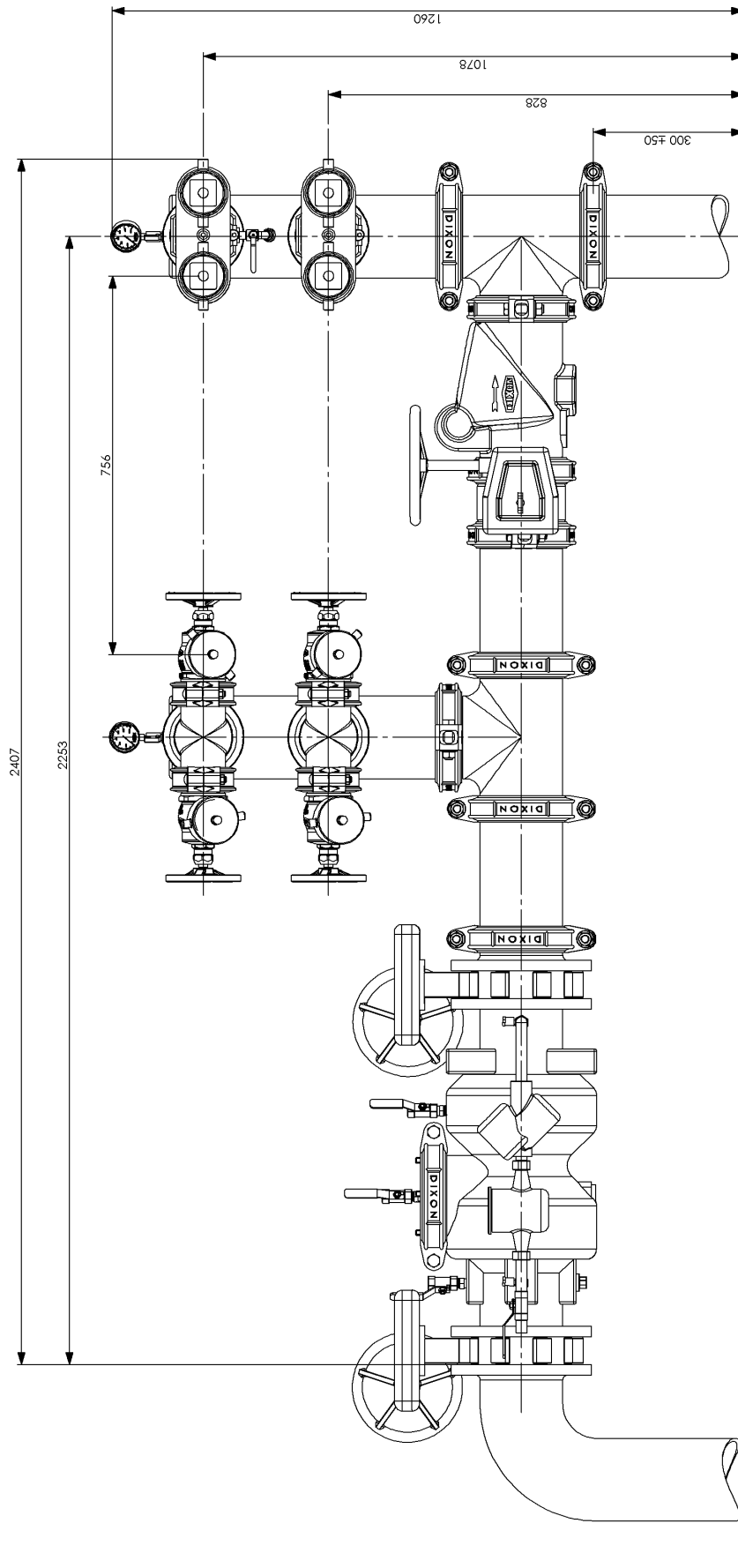


- Note:
1. Storz couplings (DIN Std - Forged Aluminium Alloy) supplied for suction & booster points in standard kit.
  2. Isolation valves are lever operated butterfly valves as standard. There are 2 options available - gear operated butterfly valves or OS&Y gate valves.

## 150mm Combined Suction/Booster c/w DDCV Backflow Prevention

Dimensions based on using Short Series Fittings.

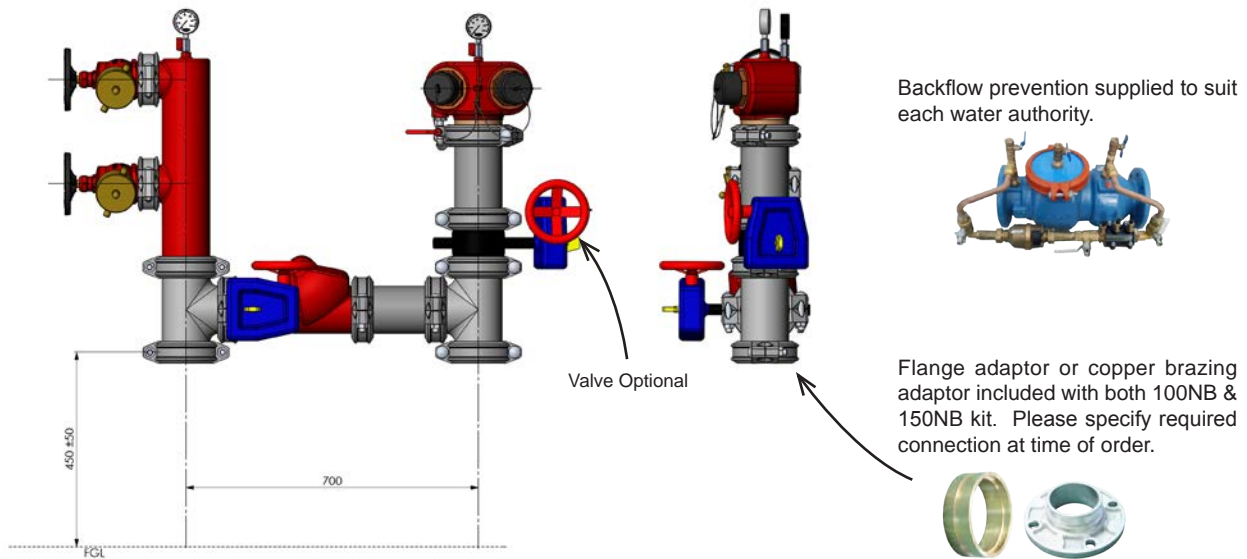
Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



- Note:
1. Storz couplings (DIN Std - Forged Aluminium Alloy) supplied for suction & booster points in standard kit.
  2. Isolation valves are lever operated butterfly valves as standard. There are 2 options available - gear operated butterfly valves or OS&Y gate valves.

## Combined Suction/Booster

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



Backflow prevention supplied to suit each water authority.

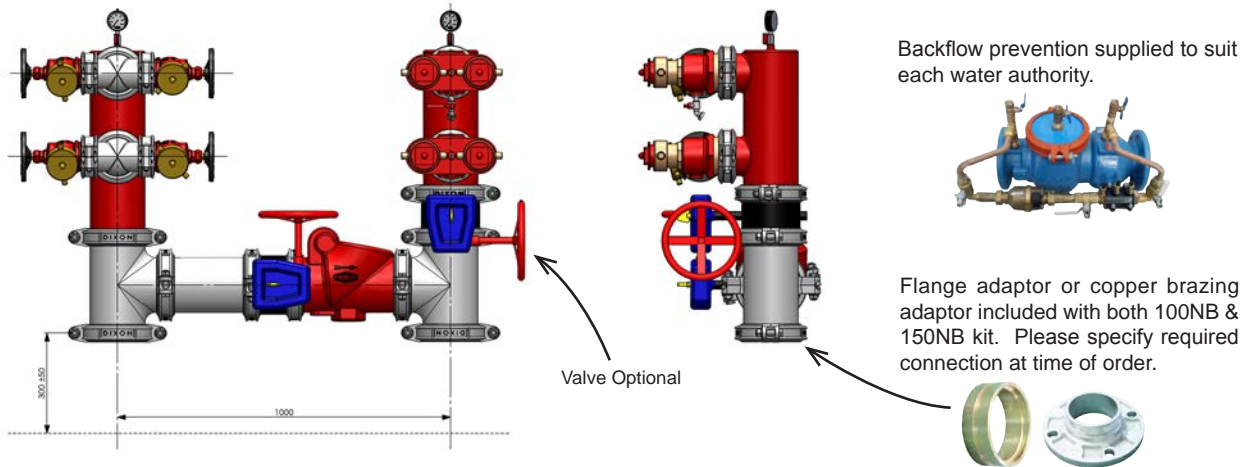
Flange adaptor or copper brazing adaptor included with both 100NB & 150NB kit. Please specify required connection at time of order.

**HYDRANTS AND BOOSTERS**  
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100NB Assembly

Part No.	Configuration	Water Authority
FFS-HP100CFA	CFA suction booster VIC	N/A
FFS-HP100MFB	Storz suction booster VIC	N/A
FFS-HP100CFASE	i CFA suction booster VIC SE Water	South East Water
FFS-HP100MFBSE	Storz suction booster VIC SE Water	South East Water
FFS-HP100CFAYV	CFA suction booster VIC Yarra Valley	Yarra Valley Water
FFS-HP100MFBYV	i Storz suction booster VIC Yarra Valley	Yarra Valley Water
FFS-HP100CFACW	i CFA suction booster VIC City West	City West Water
FFS-HP100MFCBW	i Storz suction booster VIC City West	City West Water

Note: Dimensions based on using Short Series Fittings



Backflow prevention supplied to suit each water authority.

Flange adaptor or copper brazing adaptor included with both 100NB & 150NB kit. Please specify required connection at time of order.

150NB Assembly

Part No.	Configuration	Water Authority
FFS-HP150CFA	CFA suction booster VIC	N/A
FFS-HP150MFB	Storz suction booster VIC	N/A
FFS-HP150CFASE	i CFA suction booster VIC SE Water	South East Water
FFS-HP150MFBSE	Storz suction booster VIC SE Water	South East Water
FFS-HP150CFAYV	i CFA suction booster VIC Yarra Valley	Yarra Valley Water
FFS-HP150MFBYV	i Storz suction booster VIC Yarra Valley	Yarra Valley Water
FFS-HP150CFACW	CFA suction booster VIC City West	City West Water
FFS-HP150MFCBW	i Storz suction booster VIC City West	City West Water

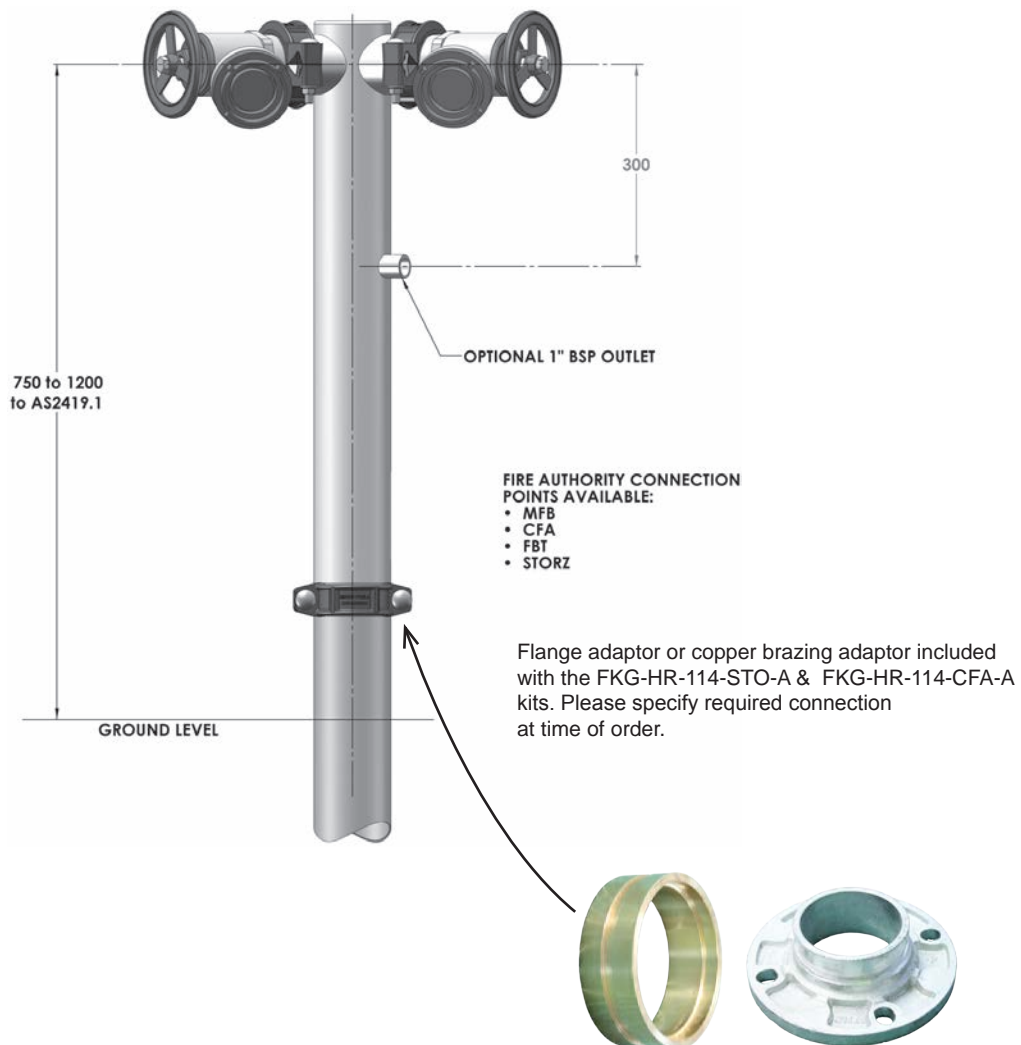
Note: Dimensions based on using Short Series Fittings

FP02





## Twin Hydrant Riser



## 100mm Twin Hydrant Riser c/w Adaptor

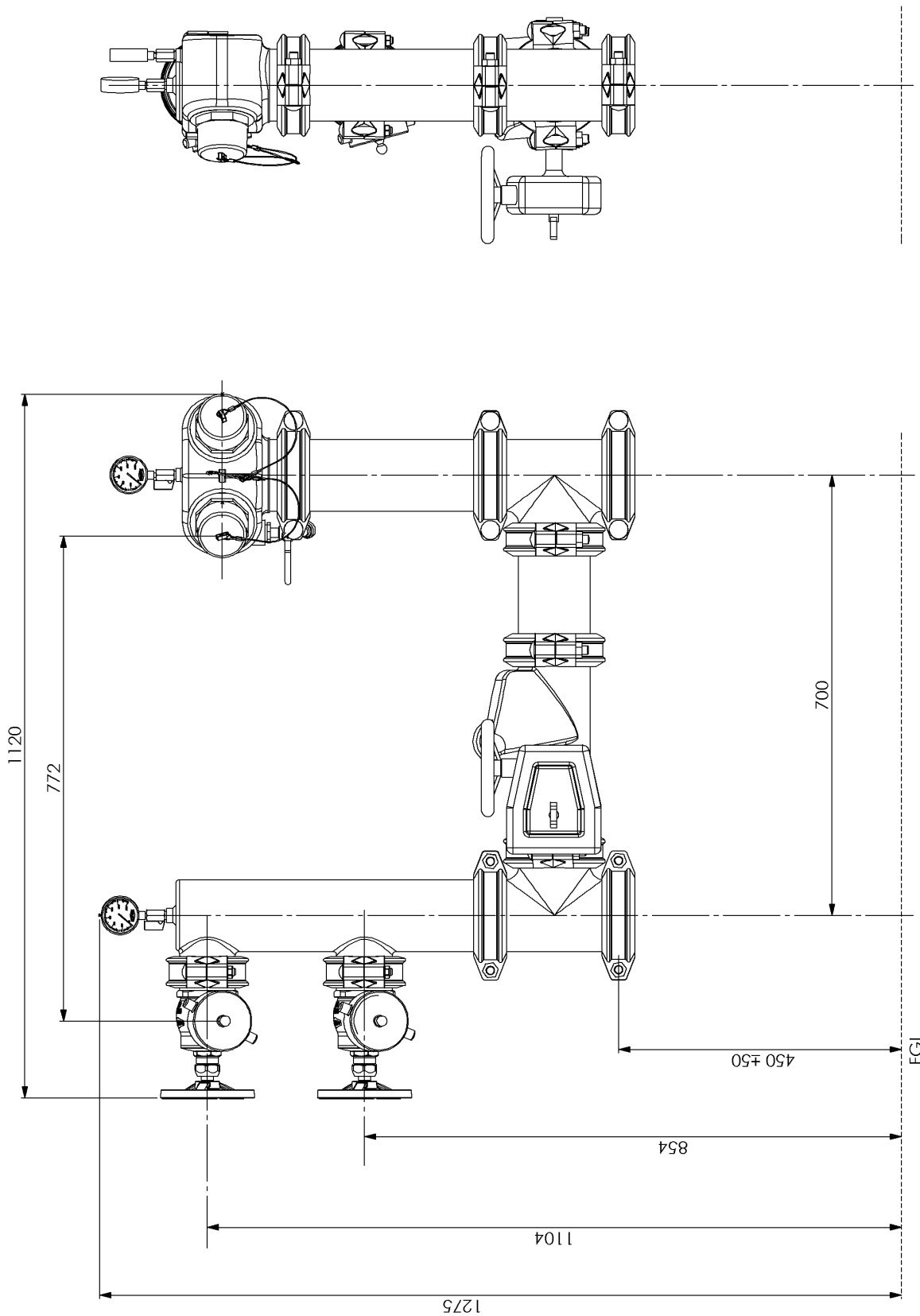
Part No.	Configuration
FKG-HR-114-CFA-A	Twin riser CFA c/w braise ring or flange adaptor
FKG-HR-114-STO-A	Twin riser Storz c/w braise ring or flange adaptor
FKG-HR-114-GEE-A	Twin riser 5 Tpi (MFB) c/w braise ring or flange adaptor

FP07

## 100NB 2 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

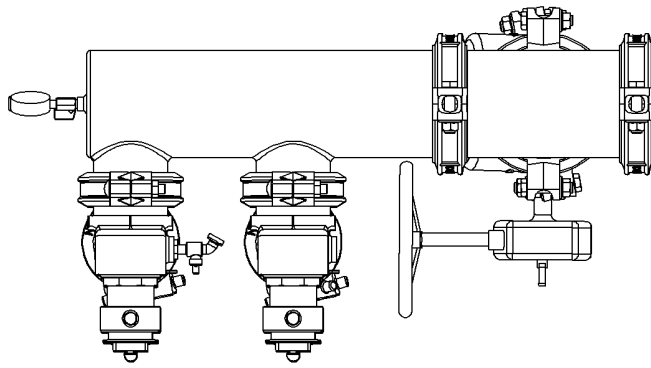


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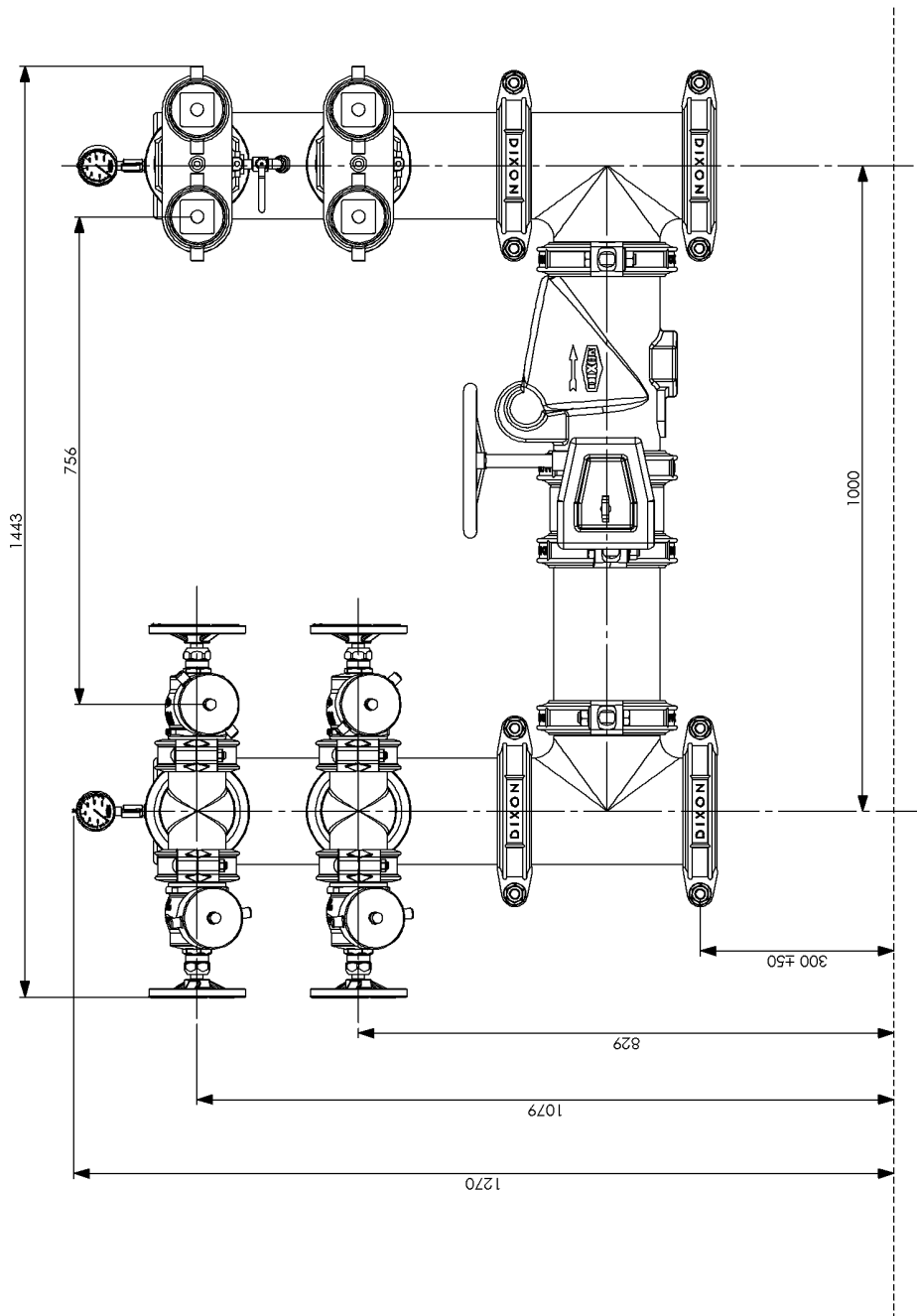
## 150NB 4 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

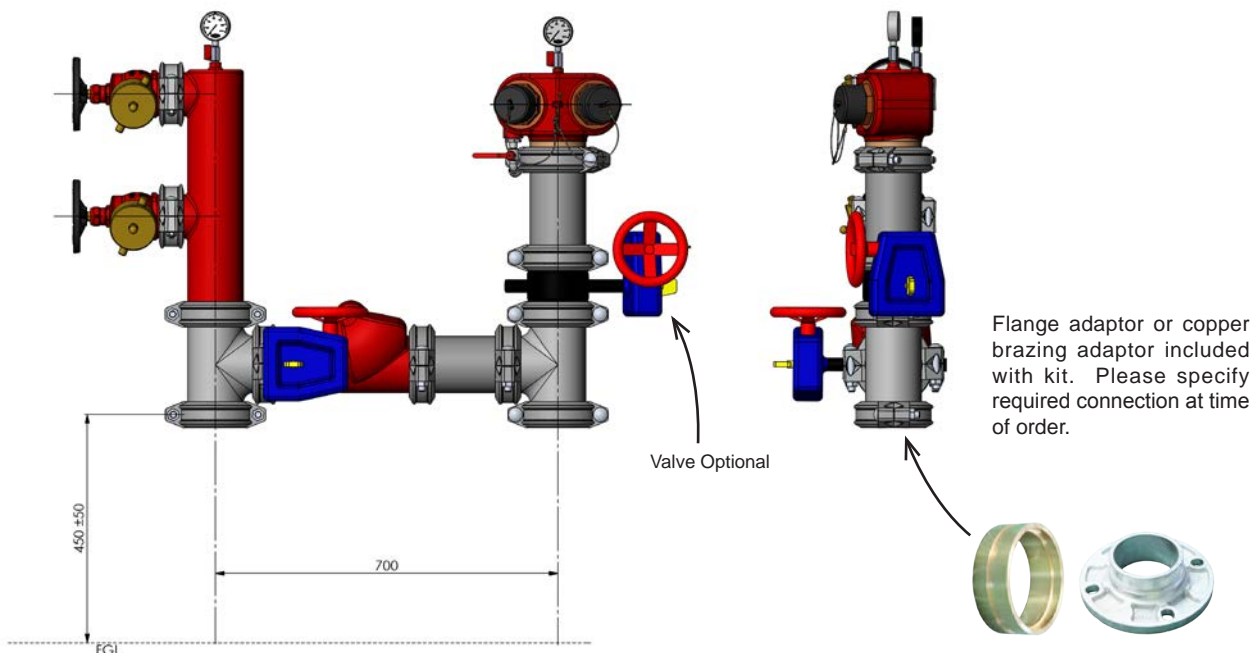


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BOOSTERS  
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## Combined Suction/Booster

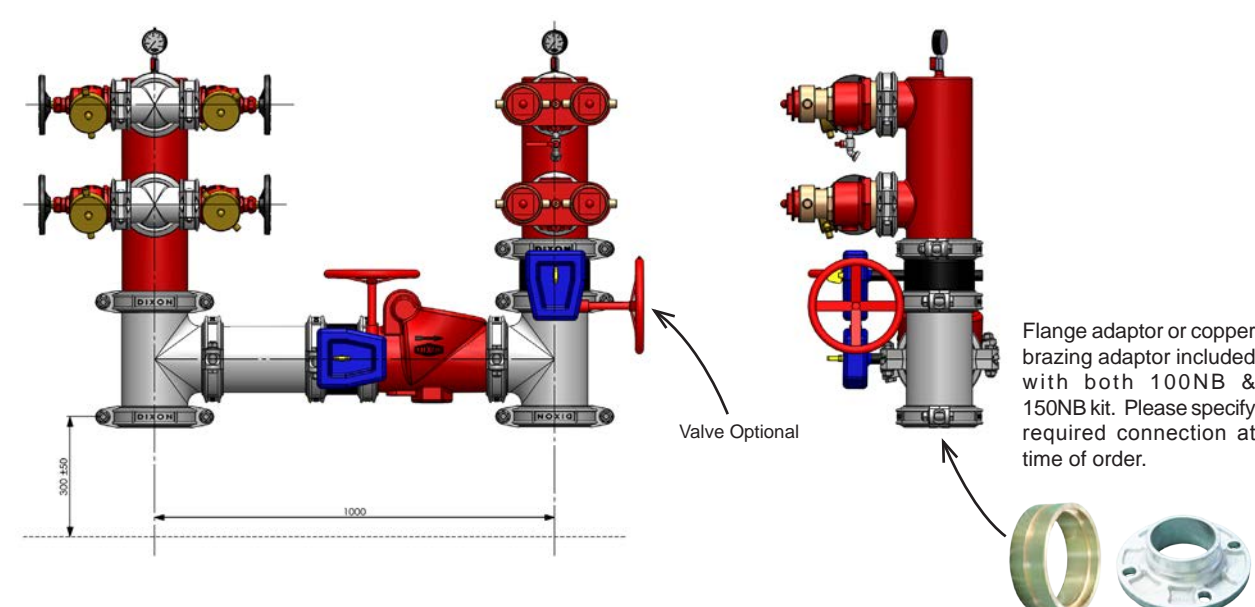
Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



**HYDRANTS AND BOOSTERS**  
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100NB Assembly	
Part No.	
FFS-100MMCSB-A	

Note: Supplied part assembled  
Dimensions based on using Short Series Fittings FP02

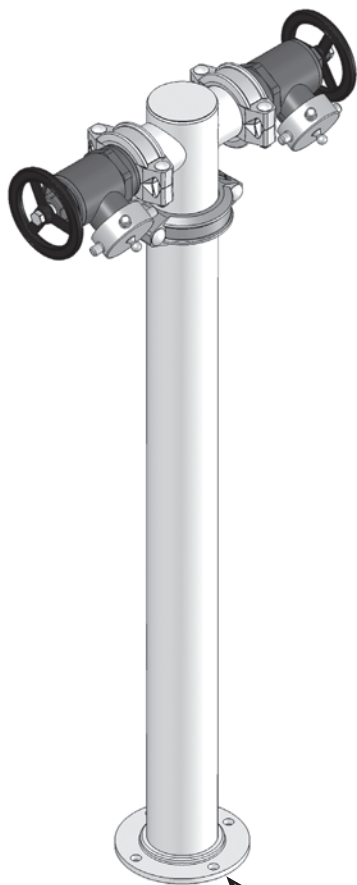


150NB Assembly	
Part No.	
FFS-150MMCSB-A	

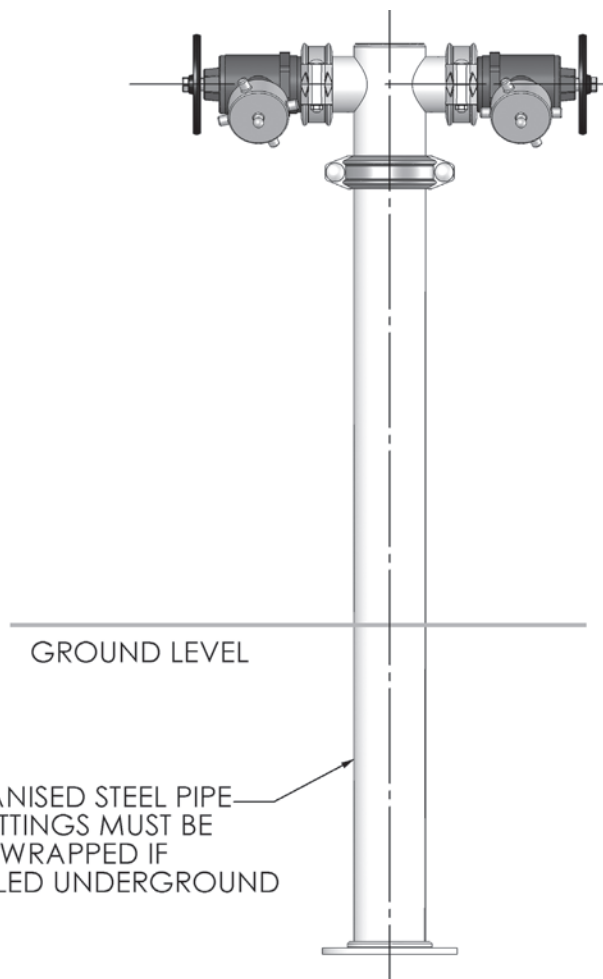
Note: Supplied part assembled  
Dimensions based on using Short Series Fittings FP02  
200, 250 and 300mm suction/booster units also available  
- price on application. Supplied in compliance with AS2419.1



## Twin Hydrant Riser



Flange available in Table 'E' or Table 'D'



GROUND LEVEL

GALVANISED STEEL PIPE AND FITTINGS MUST BE PETRO WRAPPED IF INSTALLED UNDERGROUND

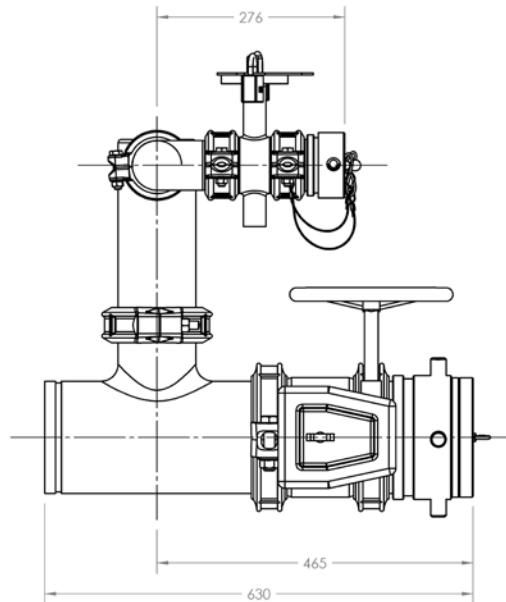
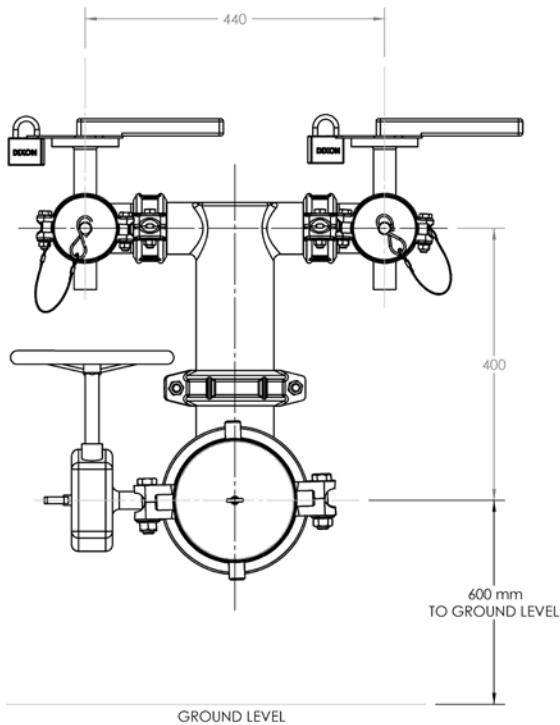
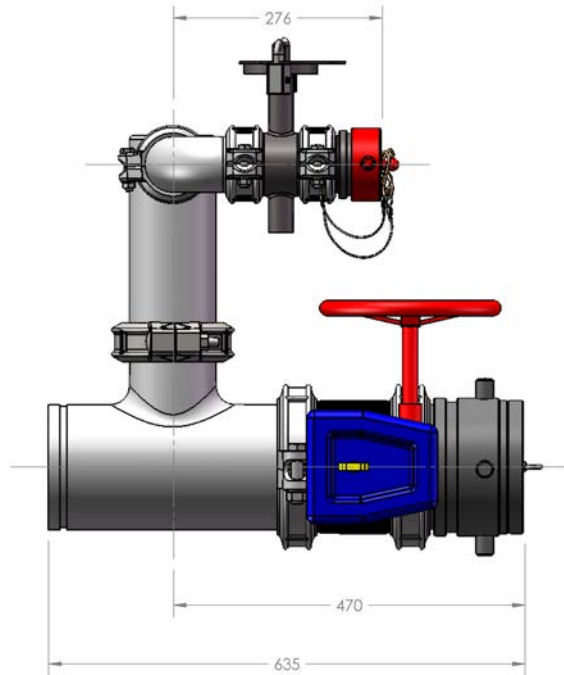
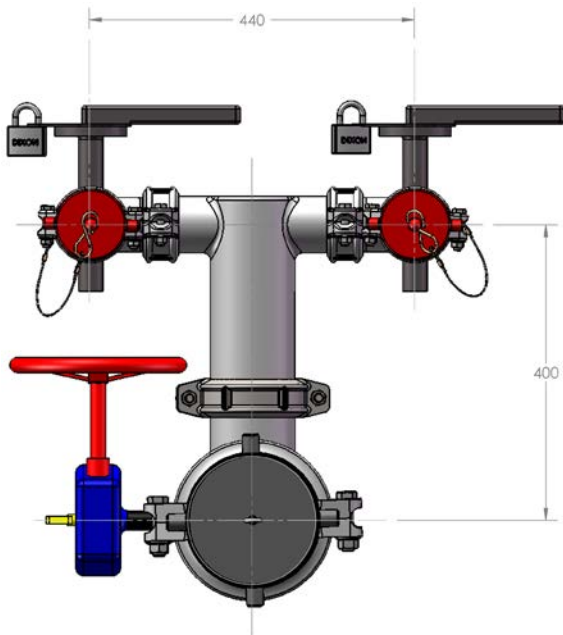
Part No.	Description
FKG-HR-114-88-A	100NB Hydrant Riser Kit

Note: Available with tamper proof hydrant valves on request

FP02

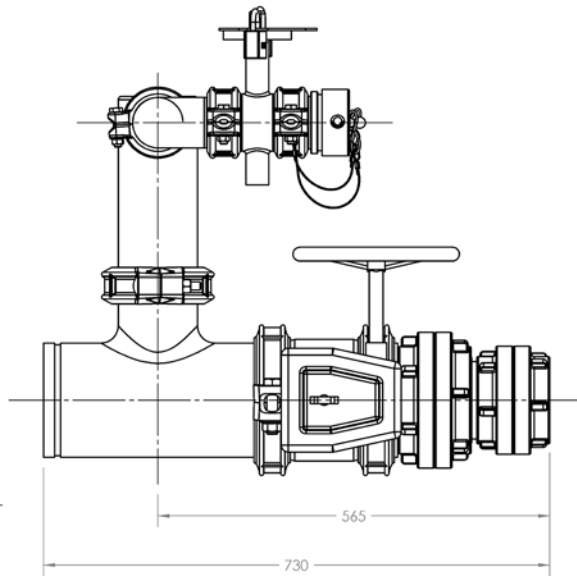
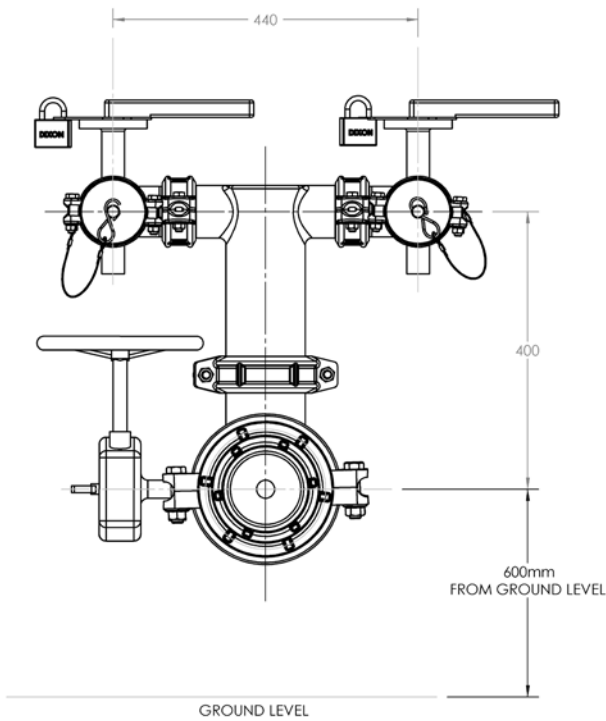
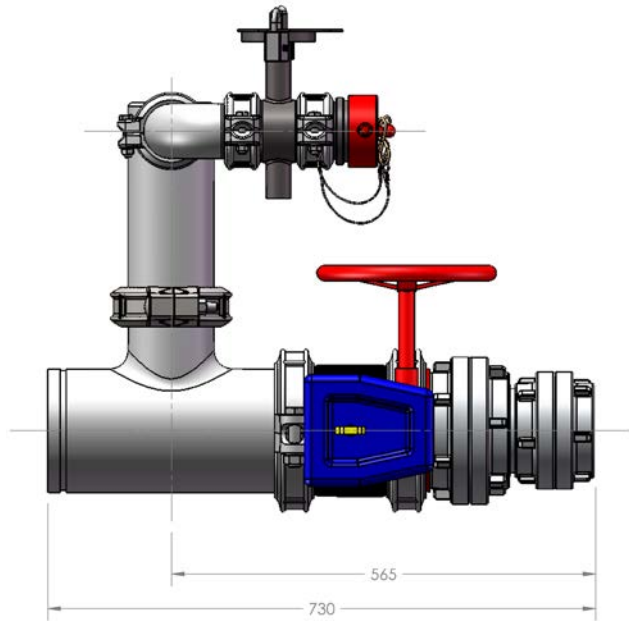
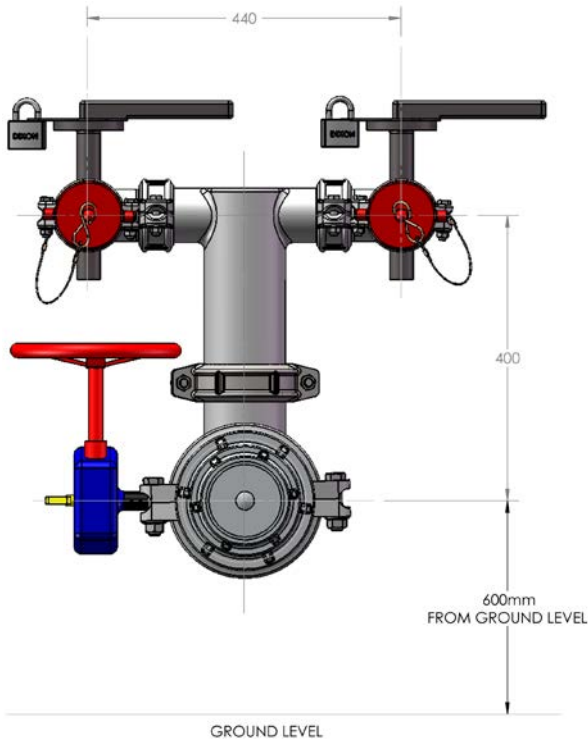


## SA Tank Suction Assembly FFS-TSA-SA (Option 1)



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## SA Tank Suction Assembly FFS-TSA-SA (Option 2)

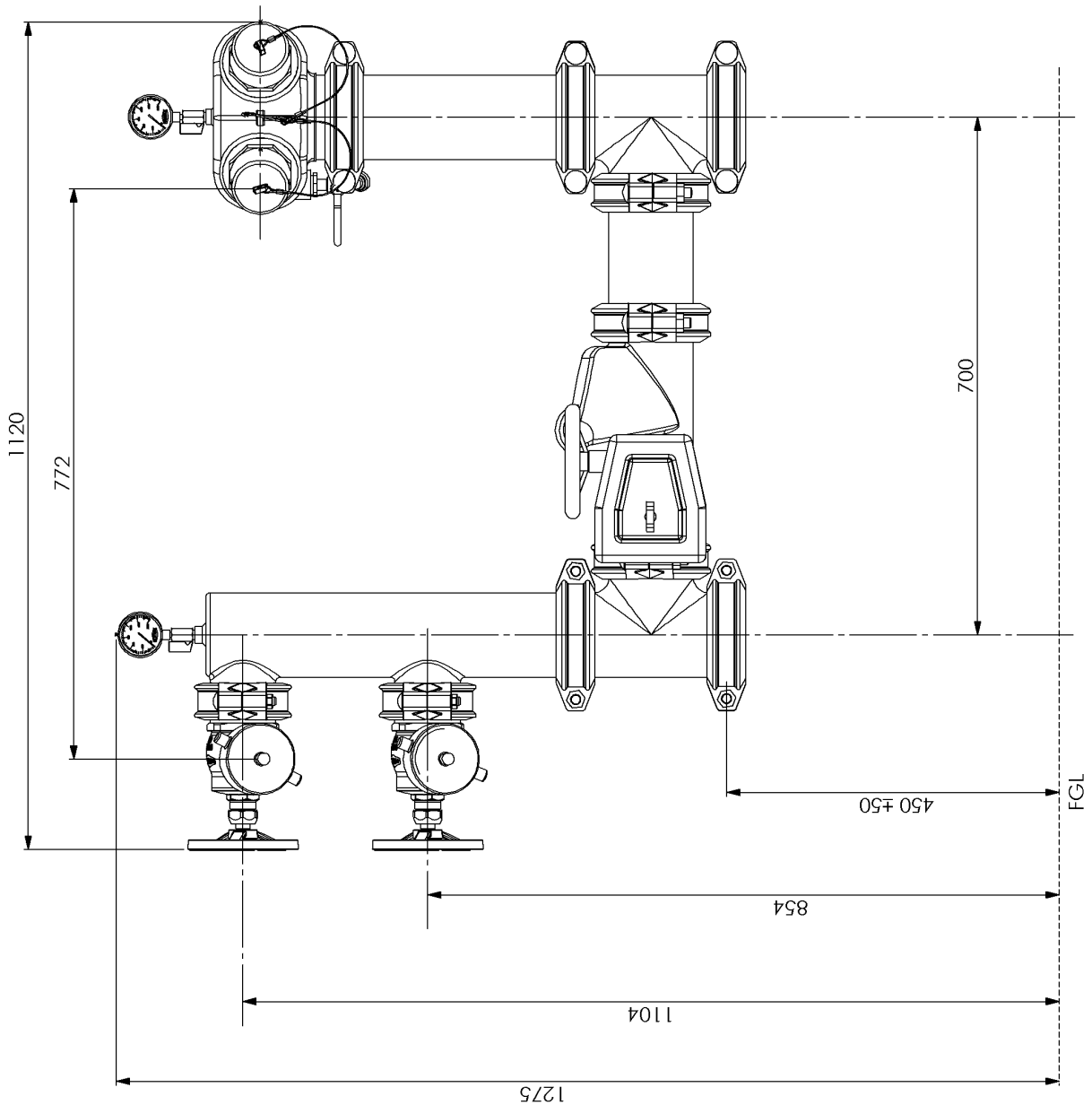
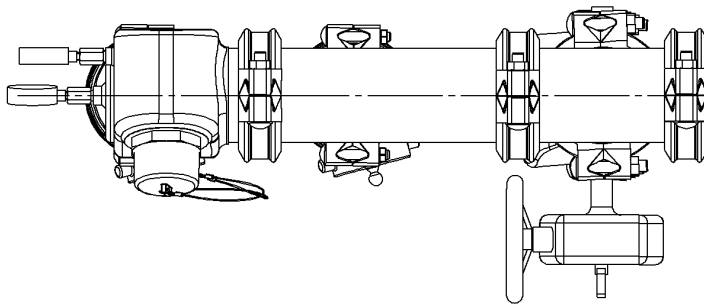


HYDRANTS  
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## 100NB 2 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

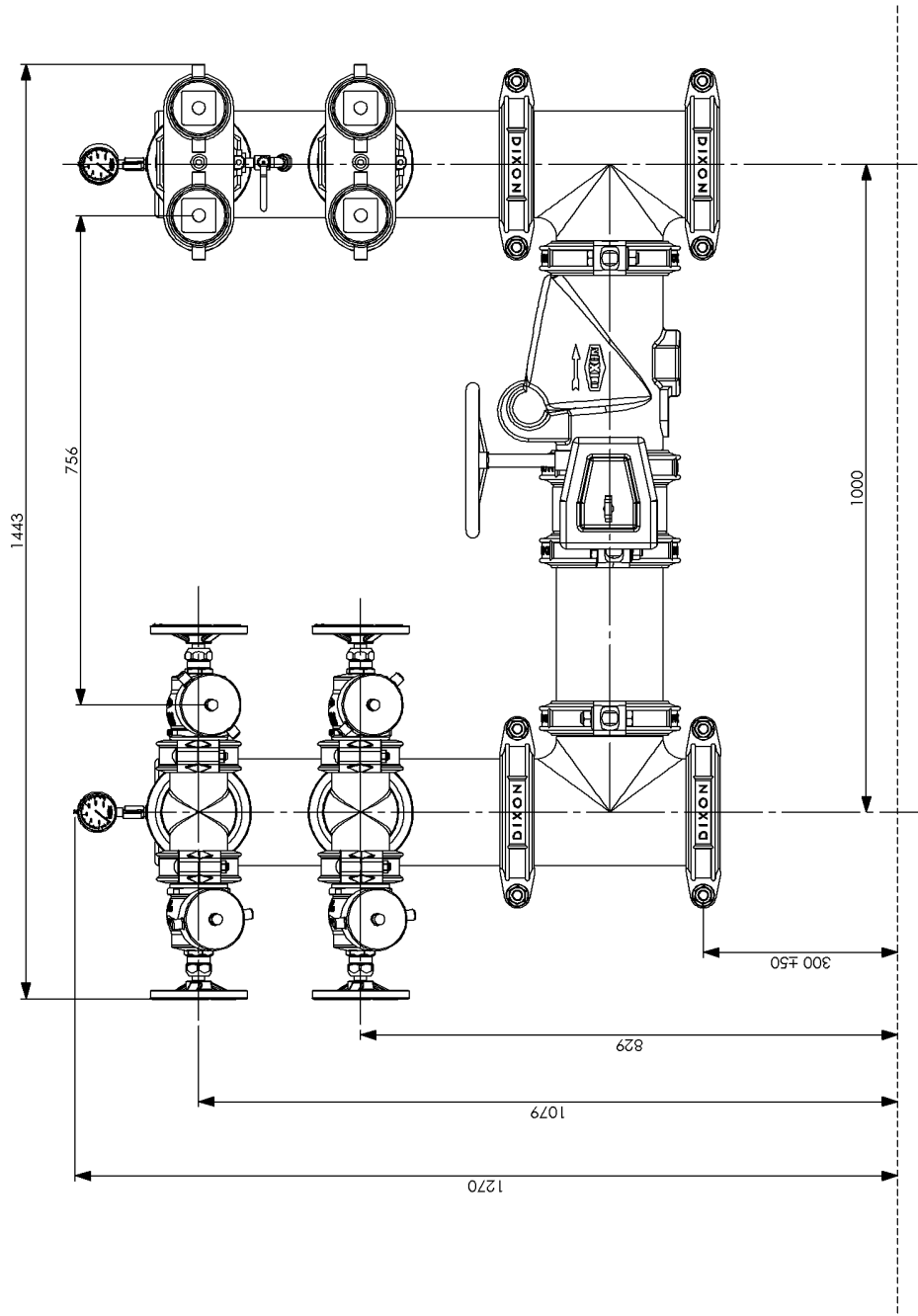
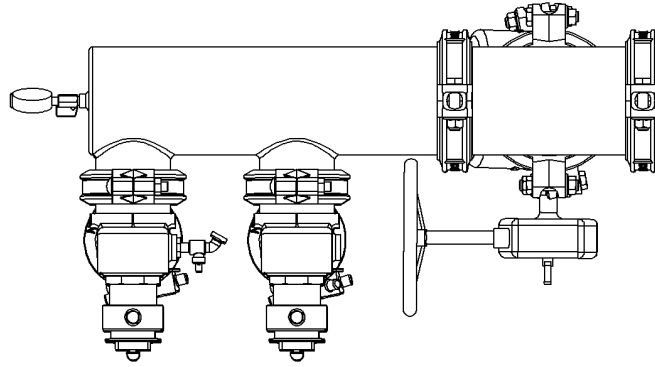
Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



## 150NB 4 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

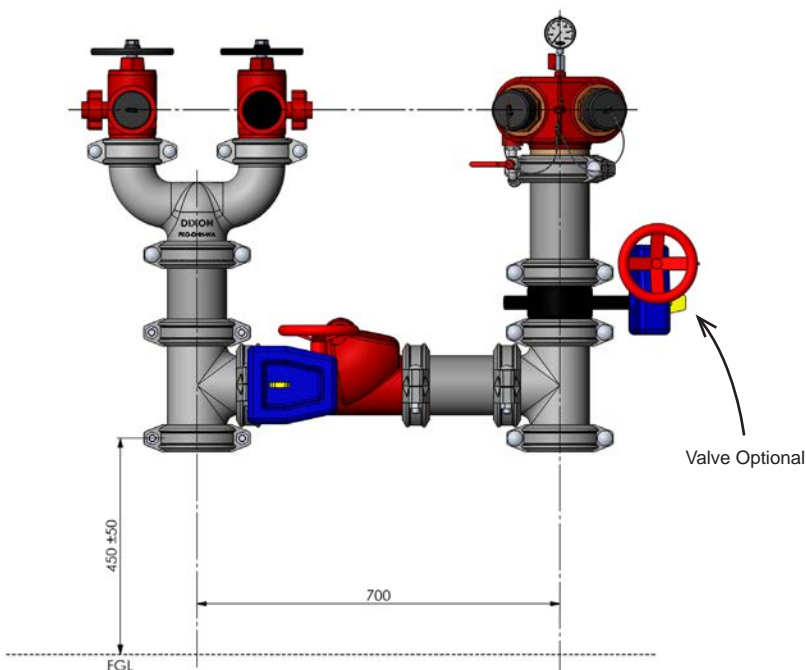
Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



## Combined Suction/Booster

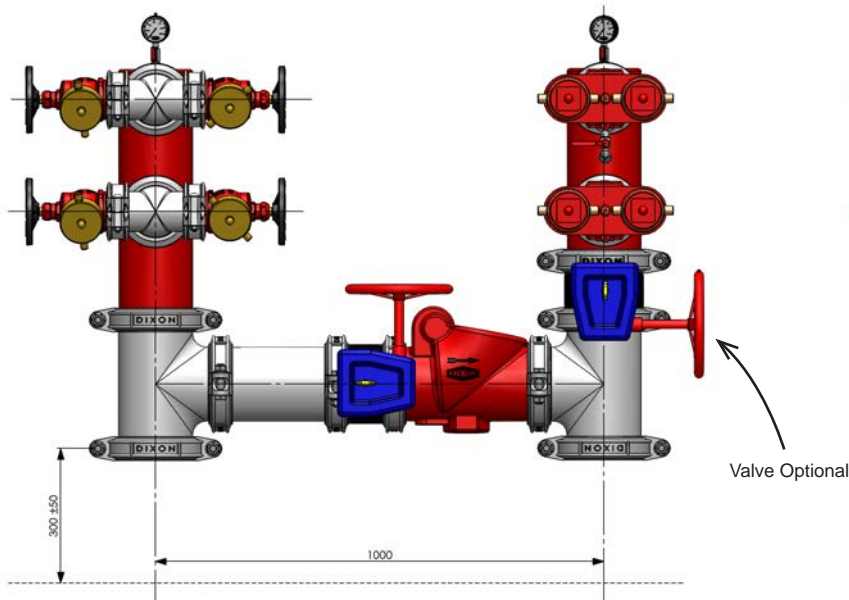
Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

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100NB Assembly	
Part No.	
FFS-100MMCSB	

Note: Not assembled  
Dimensions based on using Short Series Fittings FP02



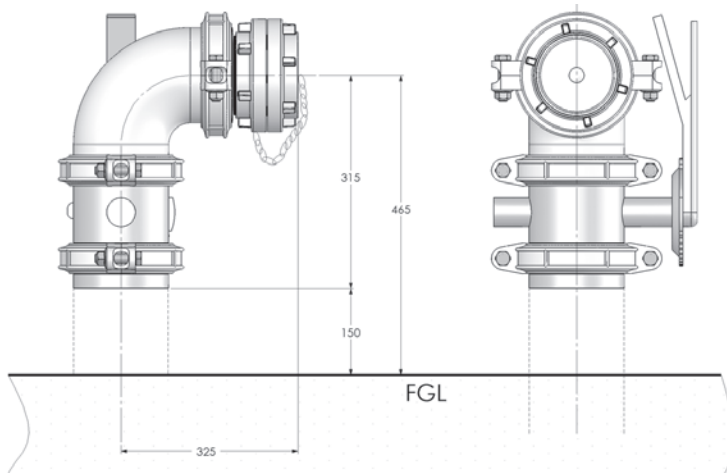
150NB & 200NB Assembly	
Part No.	Size NB
FFS-150CSB-BIC	150
FFS-200CSB-BIC	200

Note: Not assembled NTF  
Dimensions based on using Short Series Fittings  
Dimensions are to suit the 150NB assembly.  
Please contact your Dixon representative for the 200NB dimensions  
200, 250 and 300mm suction/booster units also available - price on application  
Supplied in compliance with AS2419.1





## 125MM Storz Suction Connection



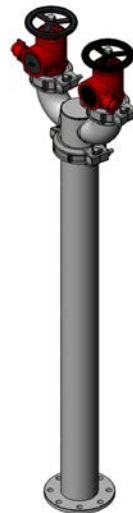
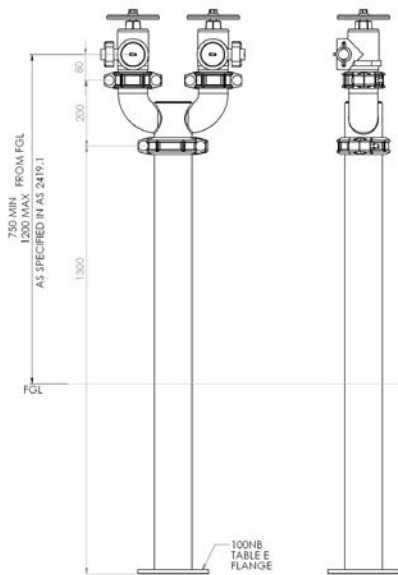
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100NB & 150NB Assembly		
Part No.		Description
FFS-100MM-ST	i	100NB x 125mm Storz
FFS-150MM-ST		150NB x 125mm Storz

Note: Not assembled FP02  
 Dimensions are to suit the 150NB Storz suction connection  
 Please contact your Dixon representative for the 100NB dimensions

## Twin Hydrant Riser



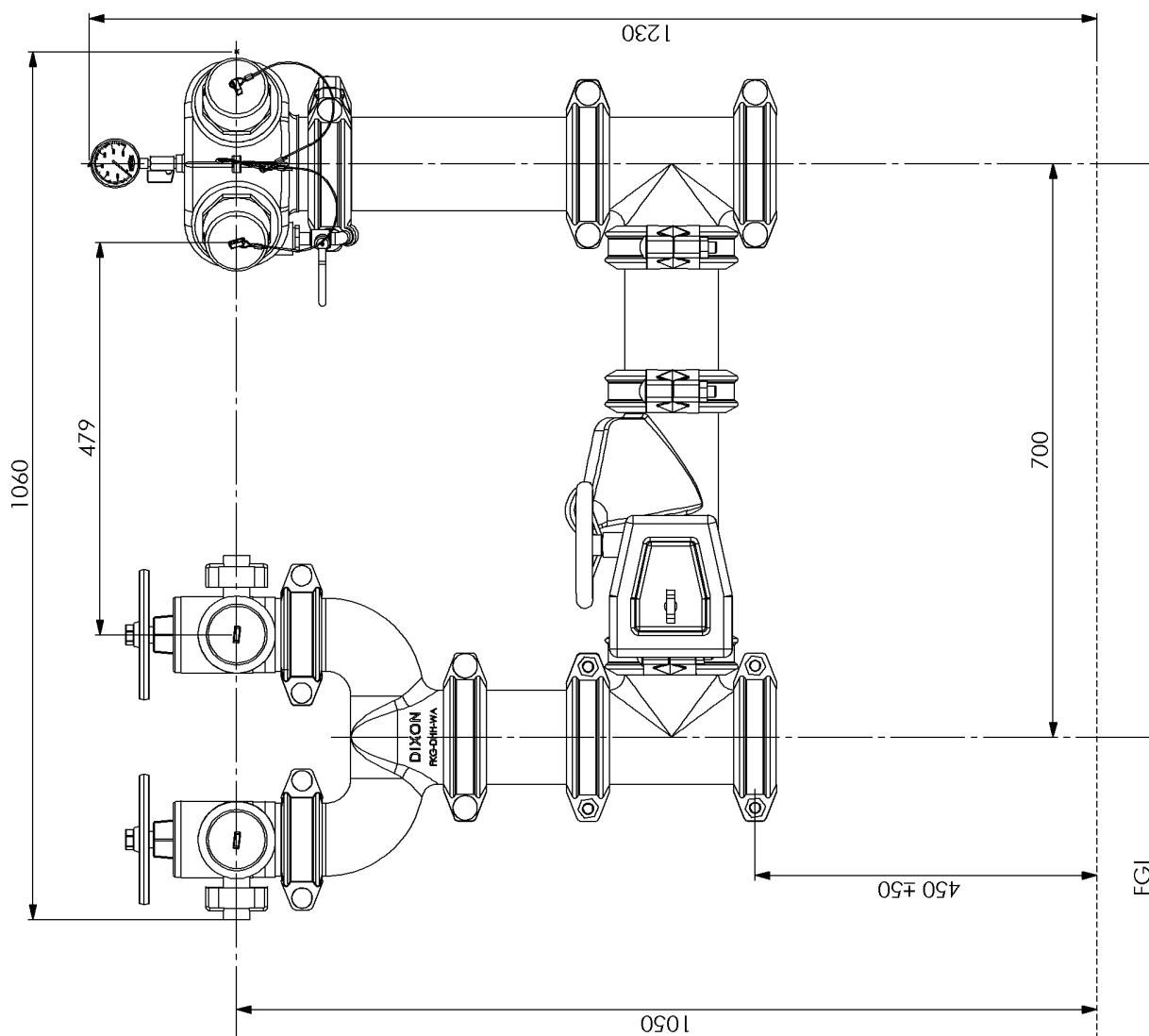
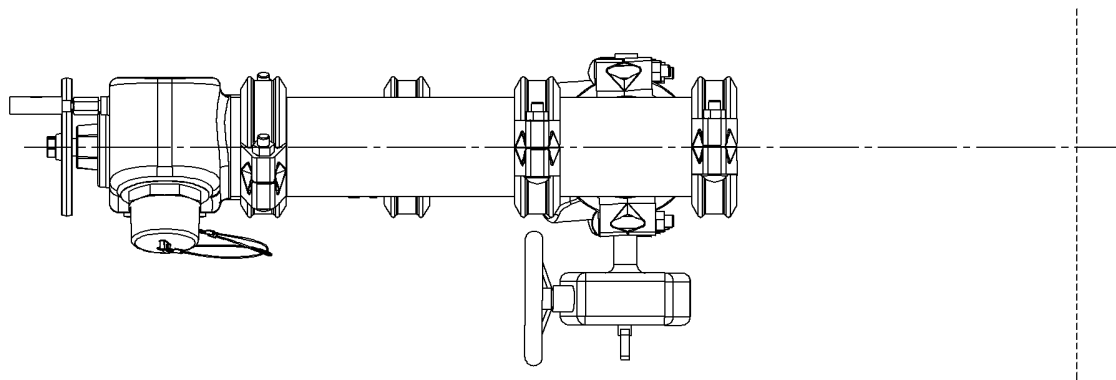
100NB & 150NB Assembly		
Part No.		Description
FKG-HR-114-88KIT		100NB Galv. Hydrant Riser Kit
FKG-HR-165-88KIT		150NB Galv. Hydrant Riser Kit

Note: Not assembled FG01  
 Dimensions are to suit the 100NB Hydrant Riser Kit.  
 Please contact your Dixon representative for the 150NB dimensions

## 100 NB 2 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

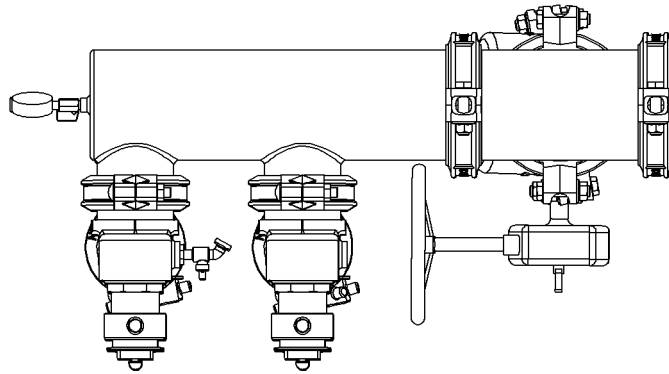


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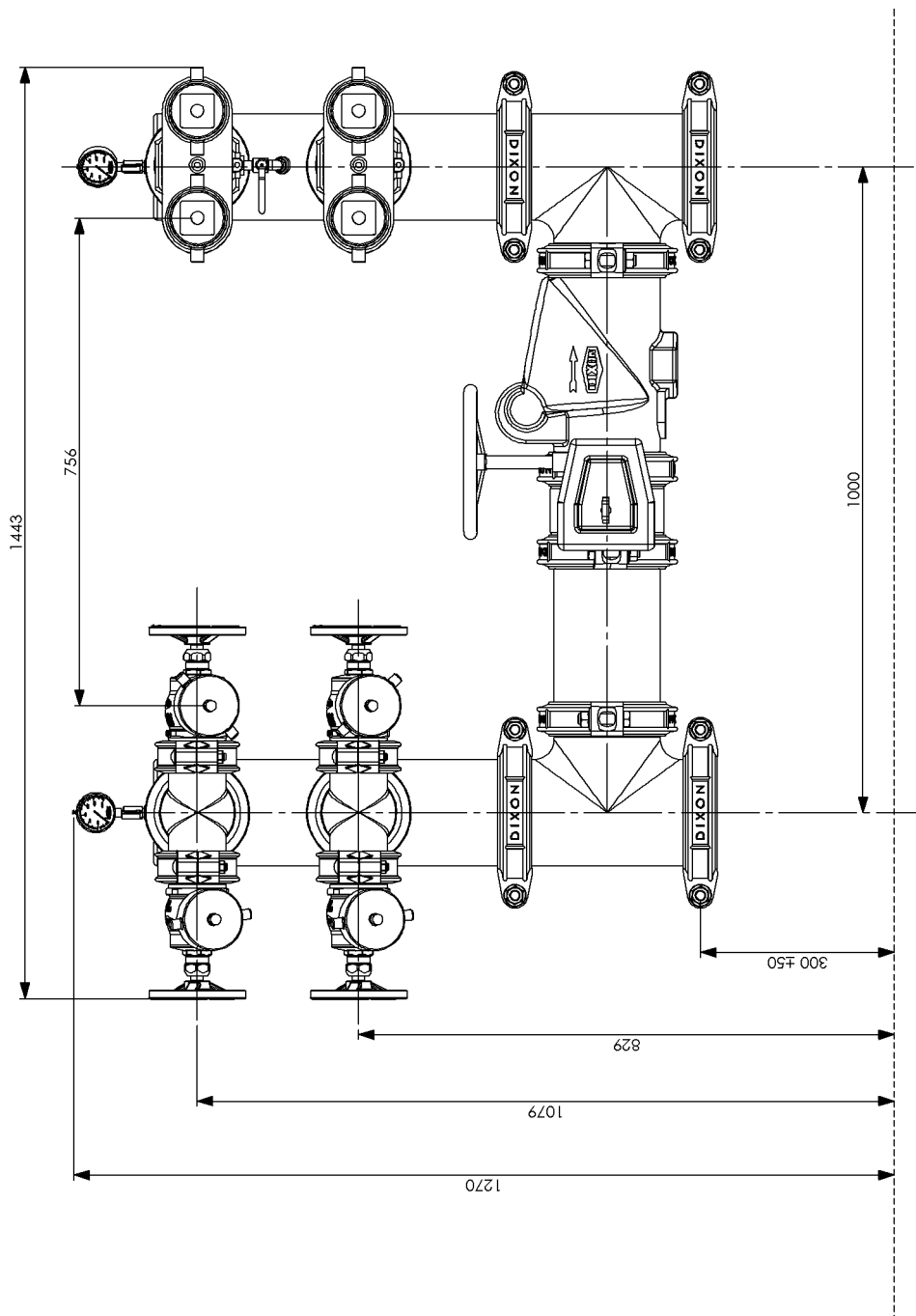
## 150 NB 4 Point Combined Suction Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.

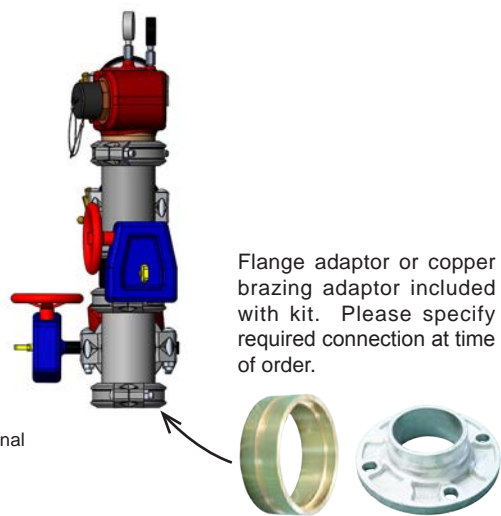
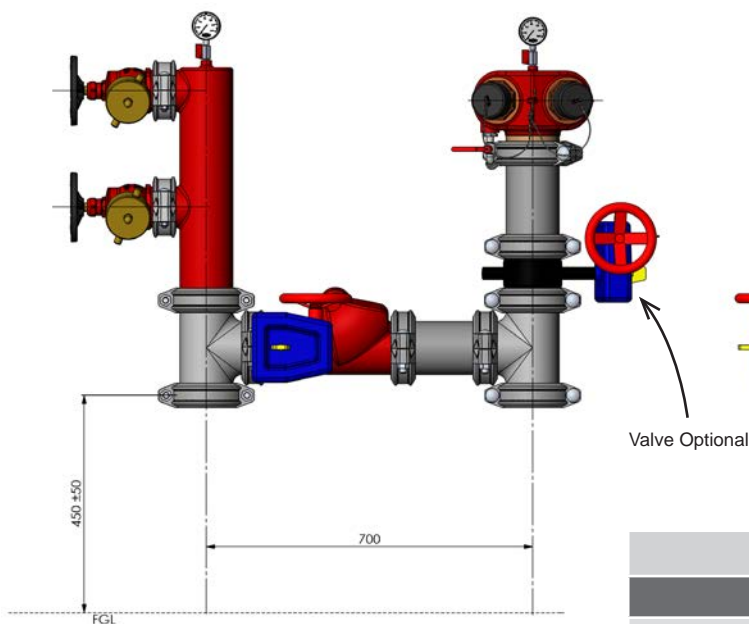


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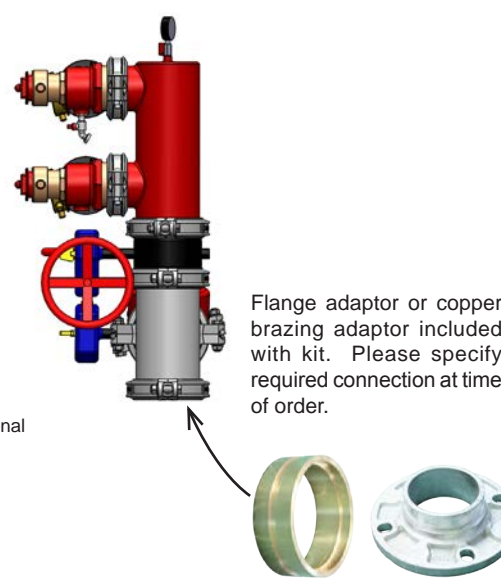
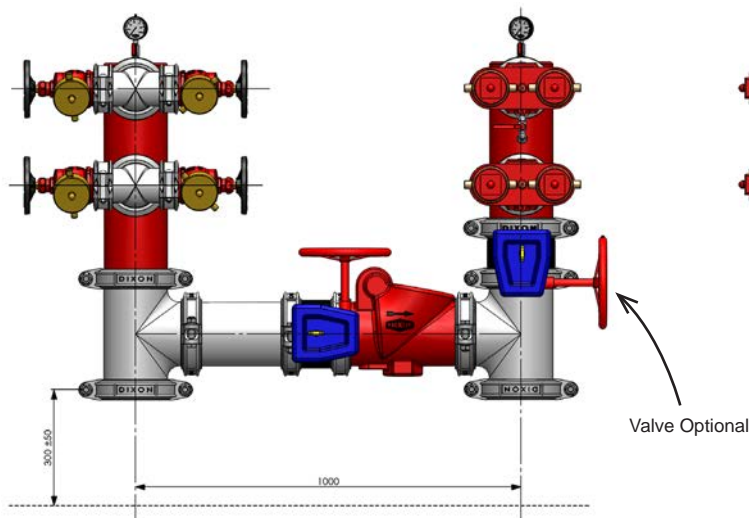
## Combined Suction/Booster

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



100NB Assembly	
Part No.	
FFS-QHB100-XIV	

Note: Not assembled  
 Dimensions based on using Short Series Fittings FP02

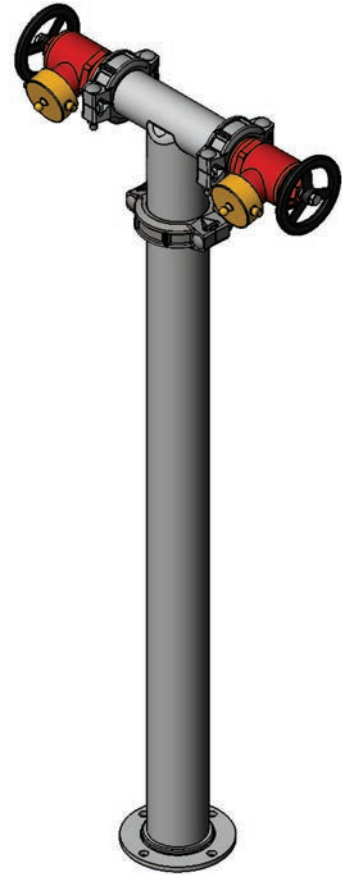
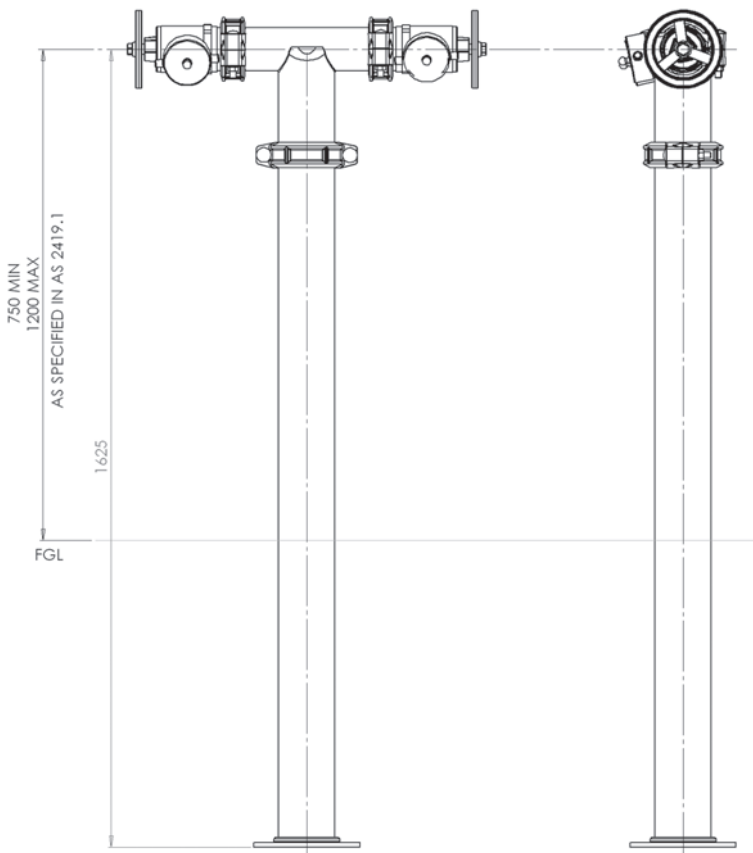


150NB Assembly	
Part No.	
FFS-QHB150-XIV	

Note: Not assembled  
 Dimensions based on using Short Series Fittings.  
 200, 250 and 300mm suction/booster units also available - price on application. Supplied in compliance with AS2419.1 FP02

**HYDRANTS AND BOOSTERS**  
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## Twin Hydrant Riser



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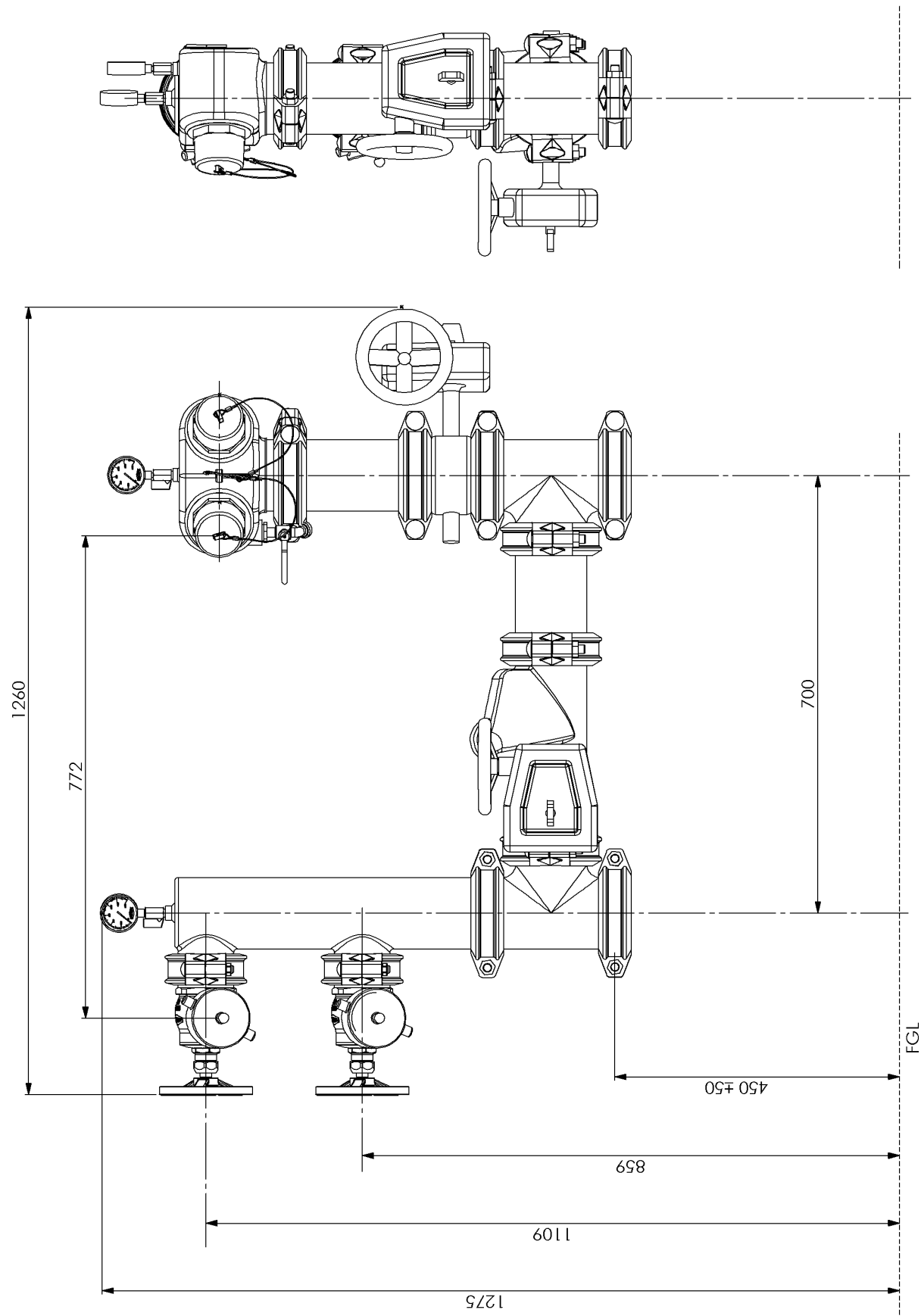
Part No.	Description
FKG-HRK-1625PC	100NB Powder Coated Hydrant Riser Kit

FP07

## 100 NB 2 Point Combined Suction/Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



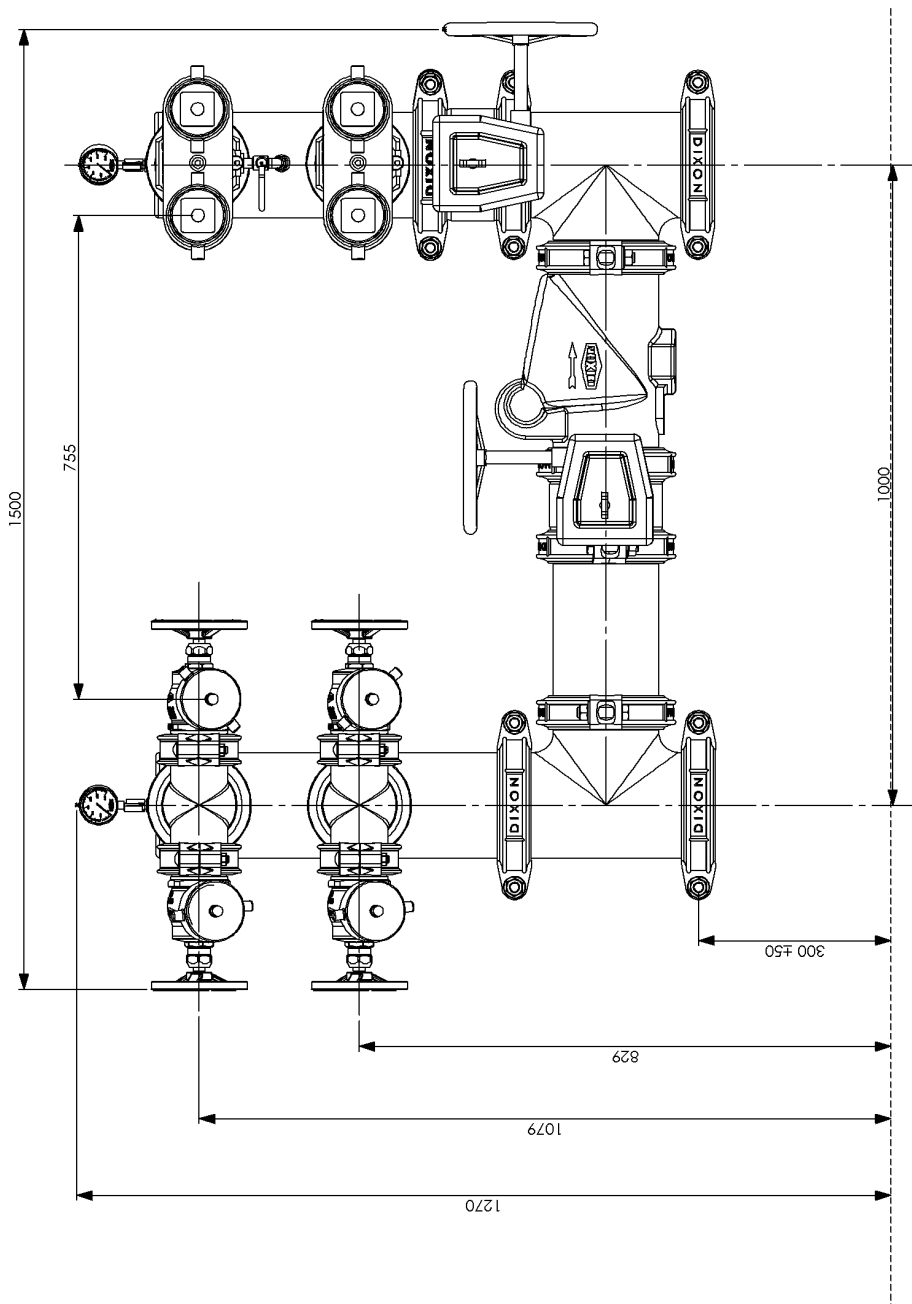
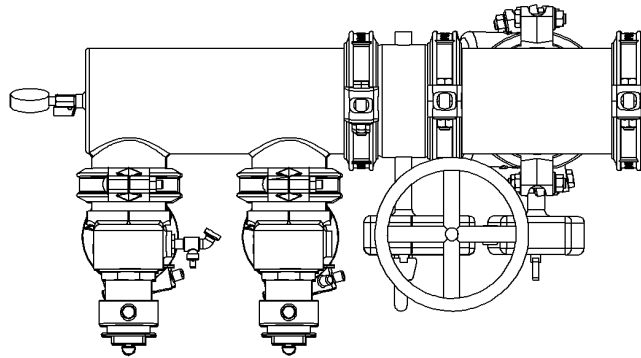
HYDRANTS  
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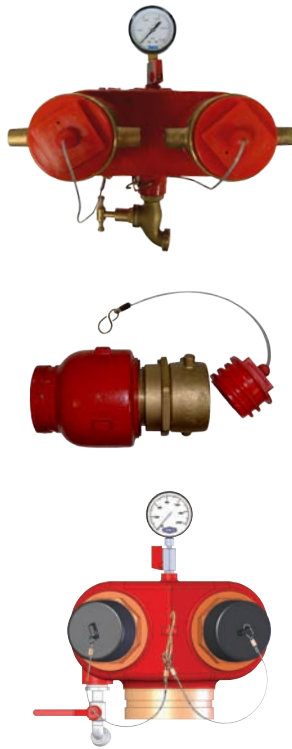
## 150 NB 4 Point Combined Suction Booster

Dimensions based on using Short Series Fittings.

Hydrant Boosters are designed in accordance with the requirements of AS2419.1-2005.



## Boosters & Accessories



Tank Model Booster Points				
Size (mm)	Part No.		Description	Outlet Connection
Queensland				
100	FFS-100TB-Q/RG		RG x 2 Point Booster R/E	QRT
100	FFS-100TB-Q/BSP		BSP x 2 Point Booster R/E	QRT
New South Wales/Tasmania				
100	FFS-100MMTMB-RE		RG x 2 Point Booster R/E	FBT
100	FFS-100MMTMB-BE		RG x 2 Point Booster B/E	FBT
100	FFS-100MMTMB-RES		RG x 2 Point Booster R/E	Storz
100	FFS-100MMTMB-BES		RG x 2 Point Booster B/E	Storz
Victoria				
100	FFS-100MMTMB-V	i	RG x 2 Point Booster B/E	Storz
100	FFS-100MMCFA-V		RG x 2 Point Booster B/E	CFA
100	FFS-100MMRETMB-V		RG x 2 Point Booster R/E	MFB
100	FFS-100MMCFA-B-V		RG x 2 Point Booster R/E	CFA
80	FFS-CFASPBA	i	RG x 1 Point Booster R/E	CFA
South Australia				
100	FFS-100MMTMB-SA		RG x 2 Point Booster R/E	SART
100	FFS-100MMTMB-SAB		RG x 2 Point Booster B/E	SART
Western Australia				
100	FFS-100MMTMB		RG x 2 Point Booster R/E	BIC
100	FFS-100MMTMB-BOT		RG x 2 Point Booster B/E	BIC
Caps & Plugs to suit				
-	FFS-STCAP-P		Storz Cap plastic	Storz
-	FFS-SART-PLUG	i	Plastic plug	SART
-	FFS-CFAPP	i	Plastic plug	CFA
-	FFS-PLUG-QRT		Plastic plug	QRT

Booster Assemblies available in all State Threads : NSW-FBT, QLD-QRT, SA-SART, VIC-MFB & CFA, WA-BI and Storz connections. Please nominate your preferred connection. Other sizes available on request.  
Note: Description R/E = Rear entry, B/E = Bottom entry

FP02

## Pressure Gauges



100mm dia.

This light weight, low cost gauge is primarily used in fire protection hydrant assemblies, or where pressure is generally static. Black steel casing, glass face.

Size (mm)	Part No.		Pressure Range	Inlet Size BSP
100	PG-100-1600		0 - 1600 kPa	3/8
100	PG-100-1600-1/2	i	0 - 1600 kPa	1/2
100	PG-100-2500		0 - 2500 kPa	3/8
100	PG-100-2500-1/2		0 - 2500 kPa	1/2
100	PG-100-2500-SS*		0 - 2500 kPa	3/8

\* Stainless Steel Casing

Note: Pressure gauges are available with 65mm face, liquid filled and in other configurations.  
Contact Dixon for assistance.

FP05

## Roll Groove Brazing Adaptors for Copper Pipe



Copper adaptor is designed to braze directly to copper pipe, adapting to the roll grooved system.

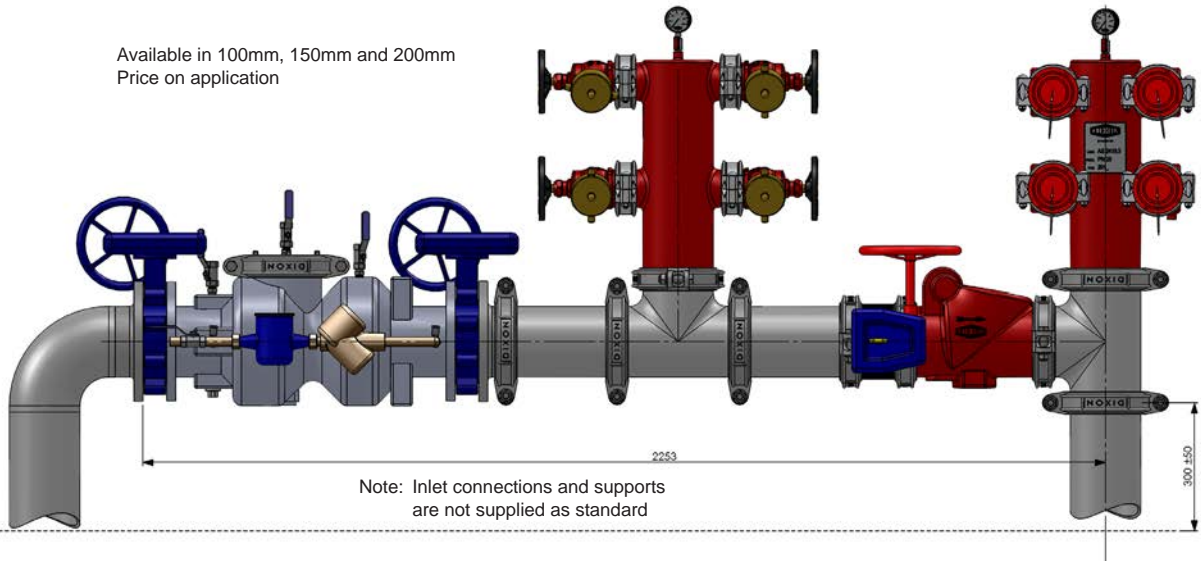
Roll Groove Brazing Adaptors for Copper Pipe		
Size (Inch)	Part No.	Description
2	FFS-BA50CU60RG	50.8 Copper x 60.3 RG
2½	FFS-BA63CU76RG	i 63.5 Copper x 76.1 RG
3	FFS-BA80CU88RG	76.2 Copper x 88.9 RG
4	FFS-BA100CU114RG	101.6 Copper x 114.3 RG
6	FFS-BA150CU165RG	152.4 Copper x 165.1 RG
8	FFS-BA200CU219RG	i 203.2 Copper x 219.1 RG

FP01

## Typical Back Flow Suction/Booster Assemblies

Back Flow Suction/Booster Assemblies in Reduced Pressure Zone and Double Check/Double Detector Check

Available in 100mm, 150mm and 200mm  
Price on application



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## Pipe Supports

**Application:** Suits 40 NB and 50 NB pipe support  
U-Bolt not included



V-Head Pipe Support



Pipe Stand Flange

Size NB	Size (inch)	Part No.
V-Head Pipe Support		
-	Z/P to suit up to 4" pipe	FWG-429-PS
Galvanised Steel Pipe Stand Flange		
50	2	FWG-PSF-60
65	2½	FWG-PSF-76
100	4	FWG-PSF-114

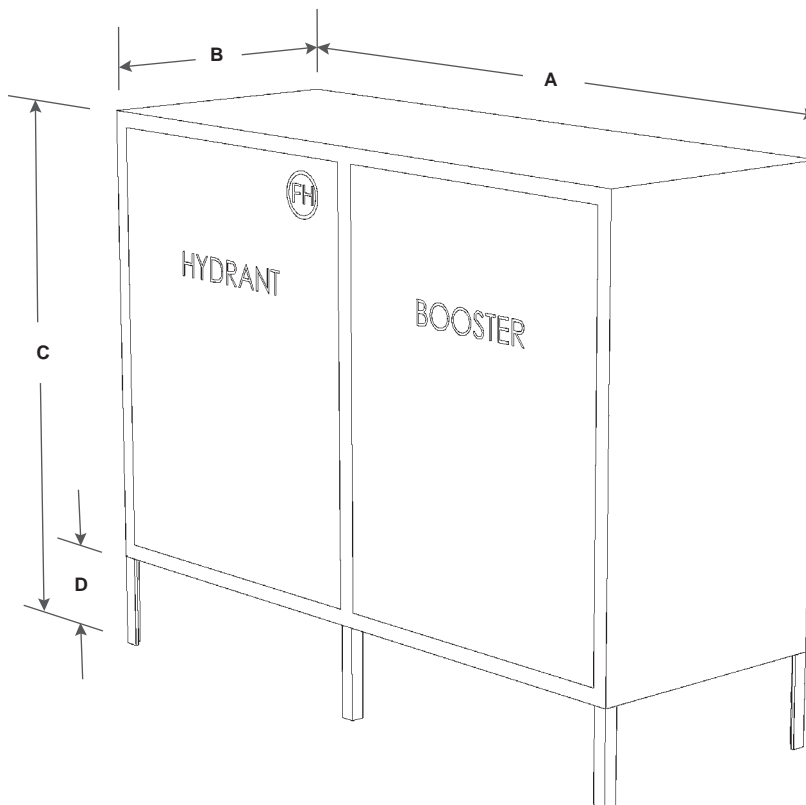
CG05  
HP01

## Pressure Reducing Station



Available in various sizes and configurations.

## Suction Booster Cabinet 'H' Pattern



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BOOSTERS  
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Booster NB	Part No	A	B	C	D	Legs	Door Type	Lock Type
Western Australia								
100/150/200	FFS-CSBC150	2000	650	1500	50	4	Hinged	Budget
New South Wales								
100	FFS-CSBC100	1600	650	1500	50	4	Lift Off	Budget
150	FFS-CSBC100B	2700	650	1500	50	4	Lift Off	Budget
South Australia								
100/150	FFS-CSBC100	2000	650	1550	50	4	Lift Off	Budget
Victoria / Tasmania								
100	FFS-CSBC100	1600	500	1520	300	6	Hinged	003
150	FFS-CSBC150	2280	700	1530	390	6	Hinged	003
Queensland								
100/150	FFS-CSBC150	2100	850	1500	*	4	Hinged	003

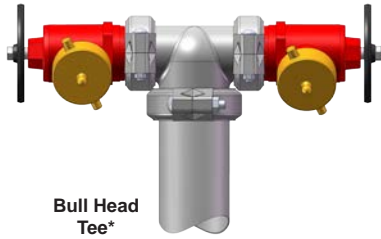
\* Please contact your nearest Dixon office for further sizes and information.

## Combined Suction Booster c/w Backflow Prevention Cabinet

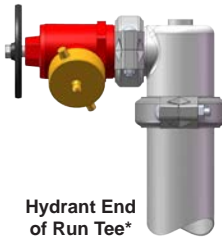
Booster NB	Part No	A	B	C	D	Legs	Door Type	Lock Type
New South Wales								
100	FFS-CSBC100B	2700	650	1500	50	*	Lift Off	Budget
150	FFS-CSBC150B	4000	650	1500	50	*	Lift Off	Budget

\* Please contact your nearest Dixon office for further sizes and information.  
Refer to pages 39-40 for complete suction booster assemblies.

## Hydrant Risers



Bull Head Tee\*

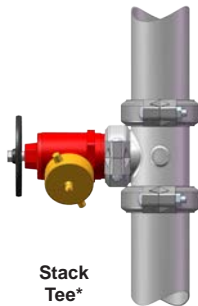


Hydrant End of Run Tee\*

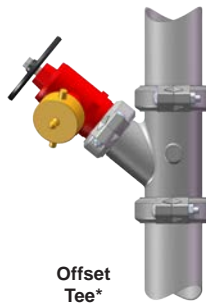
Size (inch)	Part No.	Description
4 x 3	FWG-BHT8888114	Bull Head Tee
4 x 3	FWG-HERT-114-88	RG End of Run Tee

\* Tee only

CG05



Stack Tee\*



Offset Tee\*

Size (inch)	Part No.	Description
4 x 3	FWG-OST-114-88	Offset Tee
4 x 3	FWG-HST-114-88	Stack Tee

\* Tee only

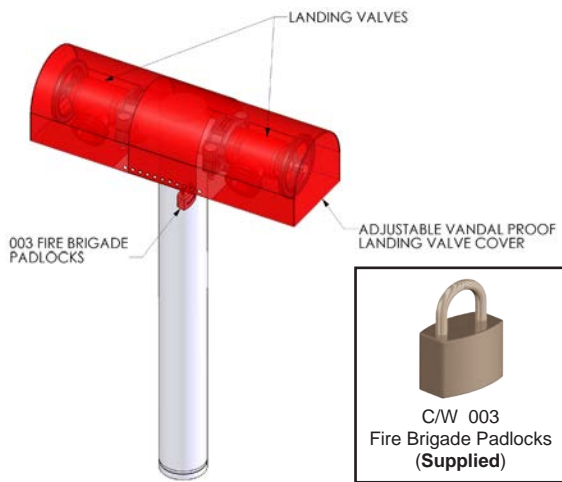
CG01  
CG05

## Cabinets to Suit Hydrant Boosters

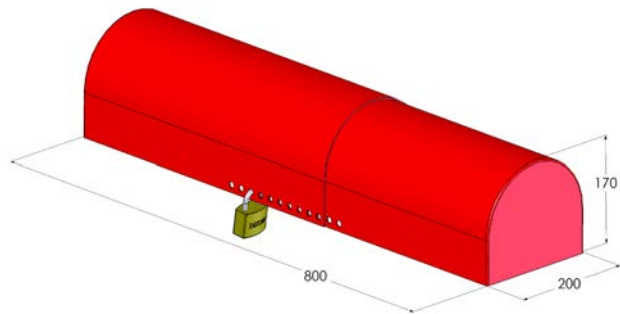


\* Refer to page 63 for further information.

## Adjustable Vandal Proof Hydrant Covers



C/W 003 Fire Brigade Padlocks (Supplied)



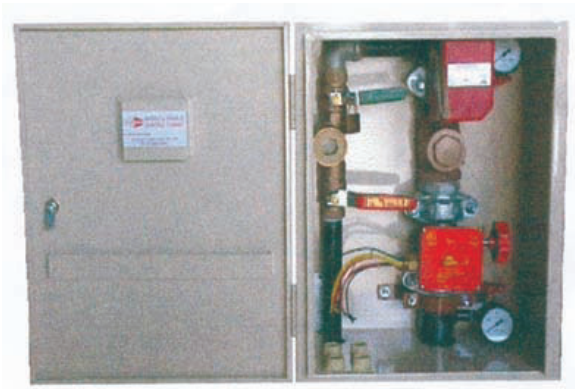
2 piece vandal proof landing valve cover, powder coated signal red. Prevents valves being vandalised. Material: Zinc steel etch primed and red enamel coated with white lettering.

Part No.	Description
FFS-AHC	Twin Hydrant Cover (cover only)
FFS-SHC	Single Hydrant Cover (cover only)
FFS-DHC	Dual Hydrant Cover c/w Lock, Chain & Stickers

FP02



## Residential Sprinkler Control Cabinet 50MM



Components	
Main Stop Valve:	Bronze Monitored DN50 (Fivalco UL-FM approved)
Check Valve:	DN50 Soft Seat check valve - epoxy coated ductile iron
Test and Drain Valve:	Lockable - complete with 003 padlock
Flow Switch:	Potter Model UL FM approved
Pipe Work:	Galvanised roll grooved pipe to AS4118 2.1
Testing:	Pressure tested to 2100 kPa

Part No.
FFS-RSCC

FP03

**HYDRANTS  
AND  
BOOSTERS**

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**Cabinet:** Security Lockable cabinet door is fitted with a 003 Fire Industry common key and break glass key holder. Service book holder incorporated in door. Provision for six spare sprinkler heads with cabinet

**Installation Instructions:**

- The incoming and outgoing pipe connections are DN50 (60.3mm OD) roll grooved mechanical couplings. Various adaptors are available to connect to different pipe sizes and pipe types.
- The cabinet can be fitted between the wall studs or surface mounted.
- The authority having jurisdiction may require the cabinet to be located in a highly visible position.
- Water pressure and flow rates should be confirmed as adequate.
- The test and drain line must be piped to waste. Electrical connections to be installed and tested by authorised personnel.

**Dismantling and Servicing Instructions:** Each section can be dismantled by authorised service personnel should any servicing be required.

Components requiring service can be removed and replaced or serviced on site.

- Advise the local authority that the system is being shut down for servicing
- Dismantling of electrical connections should be performed by qualified personnel
- Shut down water supply from main supply
- Shut down monitored valve from cabinet. Dismantle the roll groove coupling or the mechanical tee to test and drain. The couplings can be re-used take care when removing.
- Drain down water from system at test and drain valve

**Alternative:** Complete cabinet can be removed

All components are available and can be supplied ex-stock.



## Fire Fighting Hydrants & Stand Pipe Assemblies



Fire Hydrant Galvanised Stand Pipe		
Thread Type	Part No.	Description
BSP	F25SP	i Gal Stand Pipe c/w 25mm

Hose Bib Cock

Available in all Fire Brigade thread forms ie NSWFB, MFB, CFA, QRT, SAFB and BSP. Nominate thread type when ordering.

HYDRANTS  
AND  
BOOSTERS

Page 35 - 67



Single Headed Stand Pipe in Alloy		
Thread Type	Part No.	Description
BSP	LWGBASP	65mm BSP single stand pipe
MFB	LWGMASP	i MFB single stand pipe
CFA	LWGCASP	CFA single stand pipe

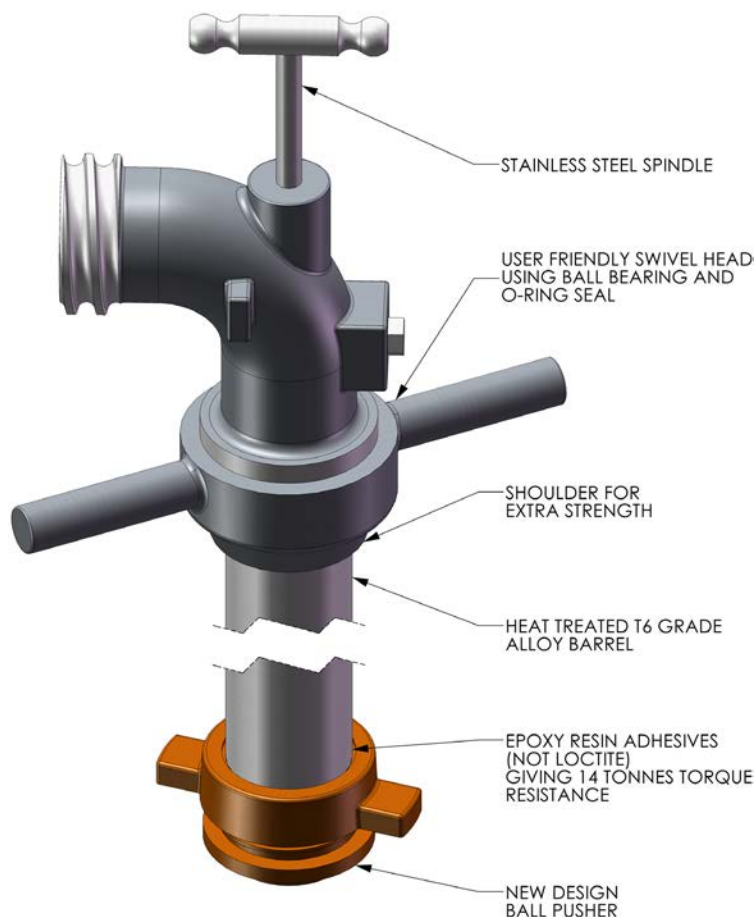
AB03

## Fire Fighting Hydrants & Stand Pipe Assemblies

<b>Design Features:</b>	<ul style="list-style-type: none"> <li>Aluminium stand pipes manufactured from heat treated T-Grade alloy barrel</li> <li>Stainless steel spindle</li> <li>User friendly swivel head using ball bearings &amp; O-rings</li> <li>Shoulder for extra strength</li> <li>Epoxy resin adhesives (not Loctite) giving 14 tons torque resistance</li> <li>Unique design ball pusher</li> <li>All aluminium stand pipes feature a safety collar on the stainless steel spindle as an added safety feature</li> </ul>
<b>Working Pressure:</b>	1,400 kPa
<b>Test Pressure:</b>	3,500 kPa
<b>Test Failure Pressure:</b>	9,000 kPa
<b>Options:</b>	<ul style="list-style-type: none"> <li>Single Stand Pipes are also available with Hose Bib Cock &amp; fitted with cap &amp; chain.</li> <li>Double Stand Pipe includes cap &amp; chain as standard.</li> <li>Metered Stand Pipe - available with all Australian wide thread forms.</li> </ul>

**HYDRANTS  
AND  
BOOSTERS**

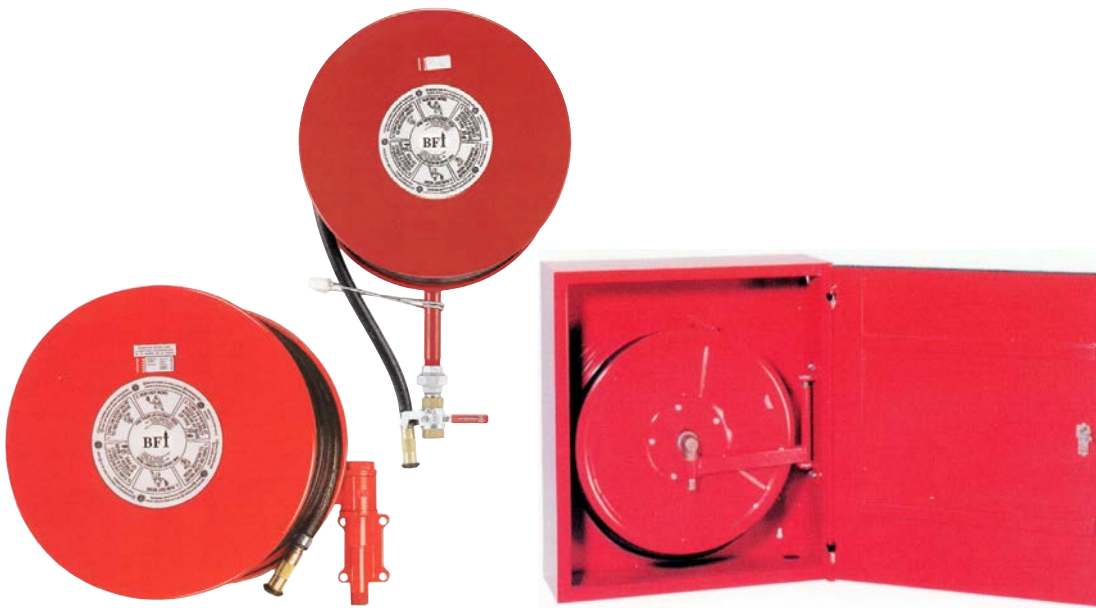
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Hose Reels & Cabinets----- 69 - 72

Hose Reel Accessories----- 73 - 74

**HOSE REELS  
AND  
CABINETS**  
Page 68 - 74



## Australian Standard Hose Reels



Specifications
<ul style="list-style-type: none"> <li>• Test Pressure 2,000kPa</li> <li>• Working Pressure 1,500kPa</li> <li>• Nominal hose diameter 19mm</li> <li>• Minimum discharge rate of 0.45 l/s at 220kPa</li> </ul>

Fixed Type		
Part No.	Description	Approved
FFS-HR-36B	19mm x 36m Standard Fixed	✓
HRS036A-SS	19mm x 36m Stainless Steel Fixed	✗
FFS-HRS036A	25mm x 30m Fixed	✗
HRS035A-50	19mm x 50m Fixed (no SSL)	✗
FFS-HR-40	19mm x 40m (no SSL)	✗

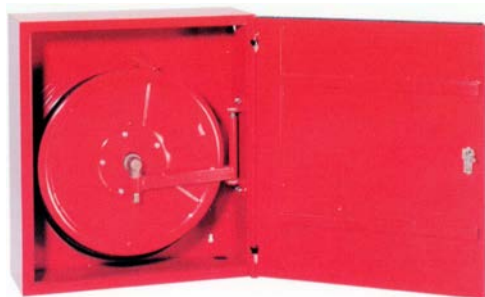
Swing Type		
Part No.	Description	Approved
HRS037A	19mm x 36m Standard Swing	✓
HRS037A-SS	i 19mm x 36m Stainless Steel Swing	✗

Contact Dixon for replacement 36m PVC fire hose.

FP06

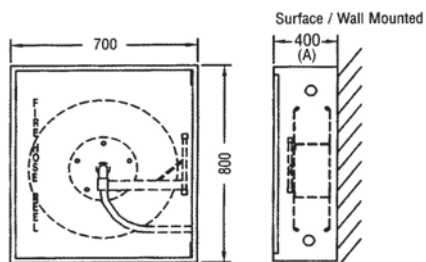
**HOSE REELS AND CABINETS**  
Page 68 - 74

## Swing Type Hose Reel and Model E Cabinet Assembly



Specifications
<ul style="list-style-type: none"> <li>• Test Pressure 2000kPa</li> <li>• Working Pressure 1500 kPa</li> <li>• Nominal Hose Diameter 19mm</li> <li>• Minimum discharge rate of 0.45 l/s at 220kPa</li> <li>• Stainless Steel hose reel available</li> </ul>

Technical Specifications	
<b>Overall Dimension:</b>	700mm x 800mm x 400mm (W x H x D)
<b>Material:</b>	Mild Steel
<b>Thickness:</b>	1.2mm
<b>Capacity:</b>	Manual or Swing Type Hose Reel (19" Drum) 19mm x 36m Hose
<b>Finish:</b>	Epoxy Powder Red, 70 micron min.



Part No.
HRS047-MS-400-RD

FP03



## Cabinet / Door Mounted Swing Hose Reel



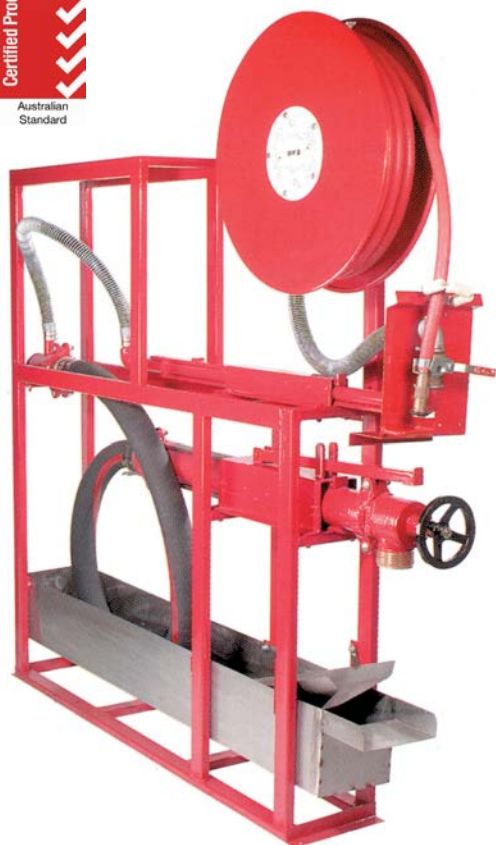
These hose reel cabinet assemblies are designed to satisfy architects and building contractors requirements for good presentation, space saving and functional design. The hose reel and cabinet is easily installed and connections to hose reel inlet couplings is accessible from the bottom of the cabinet.

Dimensions: 770 x 870 x 360mm

Part No.	Description
HRS072P	19mm x 36m Door Mounted pushlock R/H
FFS-HRS072K	19mm x 36m Door Mounted keylock R/H
HRS072P-LH	19mm x 36m Door Mounted pushlock L/H
HRS072P-S	Stand to suit above cabinets
HRS072S	Surround to suit above cabinets

FP06

## Cavity Hose Reel



The Slim Line hose reel is designed for installation in shopping centres where shop front space is at a premium. The assembly is designed to be fixed in the cavity between the walls of adjacent shops thereby occupying the minimum shop front width.

<b>Application:</b>	Suitable for ¾" and 1" hose reel
<b>Options:</b>	Optional with 65mm Hydrant valve
<b>Dimensions:</b>	(W) 260mm (L) 1860mm (H) 1830mm
<b>Material:</b>	Mild Steel
<b>Installation:</b>	Floor Mounting
<b>Approvals:</b>	AS1221 - Slimline Only

Part No.	Description
FFS-HHRSLIM	i Slimline
FFS-HRSLIMHD	Fatboy

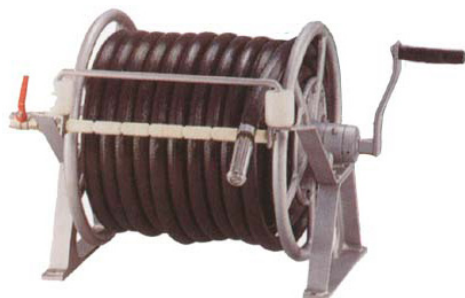
Other configurations available on request.

FP06

Image shown with optional hydrant valve

Fatboy hose reel is a wider face to face by 130mm and is generally used in wider cavities.  
Note: Hydrant valve not included.

## Continuous 'A' Frame



The continuous flow hose reel can be operated by one person, which allows immediate and continuous flow of water at all times during deployment of hose. The unit comes complete with heavy duty hose, quick opening ball valve, rewinding handle and nozzle.

Part No.	Hose Size
HRS059-19	¾" x 40m
HRS059	1" x 30m
HRS015	1½" x 30m

Available in ¾", 1" and 1½" hose size

FP06

## CKD Fixed Hose Reel Cabinets



These cabinets are pre-drilled and factory packed including instructions and hardware. Assemble on site in minutes.

Technical Specifications	
Overall Dimension:	740 x 1040 x 350mm
Material:	Mild Steel
Thickness:	1.5mm
Installation:	Wall mounted
Weight:	60kg (with hose reel), 37kg (without hose reel)
Finish:	Epoxy Powder Red

Part No.	Description
HRSCDK	Hose reel cabinet, key lock, break glass, no back plate
HRSCDP	Hose reel cabinet, pushlock, flush mount, no back plate
HRSCDB	Back plate assembly only
HRCKDS	Stand Assembly

Hose reel not included

FP03

HOSE REELS  
AND  
CABINETS

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### Model C Hose Cabinet



Technical Specifications	
Dimension:	560.mm x 1163mm x 300mm (WxHxD)
Material:	Mild Steel
Thickness:	0.9mm
Installation:	Floor mounted
Capacity:	2 x Diffuser Nozzle, 2 lengths of Hose 2-1/2" x 30m
Finish:	Epoxy Powder Red

Part No.	
HYD071-MS-MC-RD *	

\* Cabinet only - refer to page 74 for Accessories.

### Model D Hose Cabinet

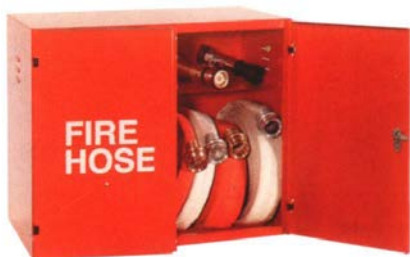


Technical Specifications	
Dimension:	590.mm x 610mm x 340mm (WxHxD)
Material:	Mild Steel
Thickness:	0.9mm
Installation:	Wall mounted
Capacity:	2 x Diffuser Nozzle, 2 lengths of Hose 2-1/2" x 30m
Finish:	Epoxy Powder Red

Part No.	
HYD071-MS-MD-RD *	

\* Cabinet only - refer to page 74 for Accessories.

### Model E Hose Cabinet



Technical Specifications	
Dimension:	900.mm x 750mm x 500mm (WxHxD)
Material:	Mild Steel
Thickness:	1.5mm
Installation:	Floor Mounted
Capacity:	2 x Fire Extinguisher 9.0kg, 2 x 2-1/2" x 30m Canvas Hose, 2 x Diffuser Nozzle, 1 x Dividing Breeching
Finish:	Epoxy Powder Red

Part No.	
HYD085-MS-ME-RD *	i

\* Cabinet only - refer to page 74 for Accessories.

FP06

## Stands & Mounting Brackets



Mounting Stand & Kit	
Part No.	Description
FKG-HRSA	Mounting Stand
FKG-HRMA	Mounting Kit

FG01



Allows the fixture of a Fire Hose Reel, to plaster board.

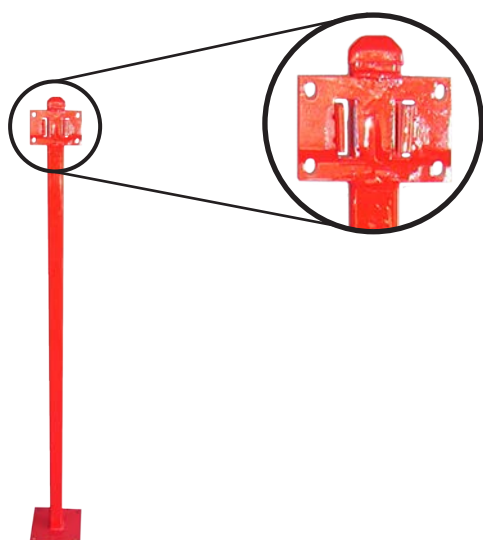
Cavity Bracket	
Part No.	Description
HRSBR	i Hose Reel Cavity Bracket

FP11



Mounting Bracket	
Part No.	Description
FFS-HRMB	Hose Reel Mounting Bracket

FP06



Direct Mount Hose Reel Stand	
Part No.	Description
HRSTAND	Direct Mount H/R Stand

FP11

Note: Mounting Bracket and Direct Mount Hose Reel Stand are sold as one unit

**HOSE REELS AND CABINETS**  
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## Accessories



Part No.	Thread	Description
FFS-HRSV	1" BSP	25mm Stop Valve

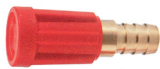
FP06



Part No.	Description
FFS-HRNB	19mm Brass Nozzle

Brass outer, brass working parts, rubber bumper

FP08



Part No.	Description
FFS-HRNP	19mm Plastic Nozzle

Plastic outer, brass working parts

FP08



Part No.	Description
FFS-HRNP	19mm Plastic Nozzle

FP08



Part No.	Description
FFS-HRN-BALL	20mm Brass Nozzle Ball Valve Lever Type

FP08



Part No.	Description
FFS-HRGA	Guide Arm

FP06



Part No.	Description
FFS-HRRAK	Remote Guide Arm

FP06



Part No.	Description
HRC-COVER	Vinyl Hose Reel Cover

FP11

Storz Fittings - - - - - 76 - 77

British Instantaneous Fittings - - - - - 78 - 80

SA Fire Brigade - - - - - 81 - 82

Nozzles - - - - - 83

**HOSE AND  
FITTINGS**  
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## Adaptors



Female - Aluminium Alloy		
Nominal Sizes	Part No.	
25mm Storz x 3/4" BSP	SZF2520AL	
25mm Storz x 1" BSP	SZF2525AL	
40mm Storz x 1 1/2" BSP	SZF4040AL	
38mm Storz x 2" BSP	SZF4050AL	
50mm Storz x 2" BSP	SZF5050AL	
65mm Storz x 2" BSP	SZF6550AL	
65mm Storz x 2 1/2" BSP	SZF6565AL	
80mm Storz x 3" BSP	SZF8080AL	
90mm Storz x 3" BSP	SZF9080AL	i
100mm Storz x 4" BSP	SZF100100AL	
125mm Storz x 5" BSP	FFS-STA-125F	
150mm Storz x 6" BSP	SZF150150AL	
65mm Storz CFA	SZF65CFA	i
65mm Storz FBT	SZF65FBT	
65mm Storz QRT	SZF65QRT	i
65mm Storz SAFB	SZF65SAFB	i



Male - Aluminium Alloy		
Nominal Sizes	Part No.	
25mm Storz x 3/4" BSP	SZM2520AL	
25mm Storz x 1" BSP	SZM2525AL	
40mm Storz x 1 1/2" BSP	SZM4040AL	
50mm Storz x 2" BSP	SZM5050AL	
65mm Storz x 2 1/2" BSP	SZM6565AL	
80mm Storz x 3" BSP	SZM8080AL	
90mm Storz x 3" BSP	SZM9080AL	i
100mm Storz x 4" BSP	SZM100100AL	
150mm Storz x 6" BSP	SZM150150AL	i
65mm Storz x 2 1/2" NSWFB	SZ64NSWM	
65mm Storz x 2 1/2" MFB	SZ65MFBM	

## Caps



Blank - Aluminium Alloy		
Nominal Sizes (mm)	Part No.	
25	SZBC25AL	
40	SZBC40AL	
50	SZBC50AL	i
65	SZBC65AL	
80	SZBC80AL	
90	SZBC90AL	i
100	SZBC100AL	
125	FFS-STA-125C	
150	SZBC150AL	

BK01

## Couplings Suction Type



All parts are Aluminium Alloy.

Grooved - Aluminium Alloy		
Nominal Sizes	Part No.	
25mm Storz x 20mm Tail	SZH2520AL	
25mm Storz x 25mm Tail	SZH2525AL	
40mm Storz x 40mm Tail	SZH4040AL	
50mm Storz x 50mm Tail	SZH5050AL	i
65mm Storz x 40mm Tail	SZH6540AL	
65mm Storz x 65mm Tail	SZH6565AL	
65mm Storz x 65mm Tail (Brass)	SZH65BR	i
80mm Storz x 80mm Tail	SZH8080AL	
100mm Storz x 100mm Tail	SZH100100AL	
150mm Storz x 150mm Tail	SZH150150AL	

## Spanners



Steel		
Nominal Sizes	Part No.	
25mm to 65mm	STBCSPAN	
65mm to 150mm	STABCSPAN	i

HOSE AND  
FITTINGS  
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## Reducers



Aluminium Alloy		
Nominal Size	Part No.	
80mm x 65mm	SZA080065	i
90mm x 80mm	SZA090080	i
100mm x 80mm	SZA100080	
125mm x 80mm	SZA125080	i
125mm x 90mm	SZA125090	i
125mm x 100mm	SZA125100	
150mm x 125mm	SZA150125	

BK01



## Adaptors



BI Female x Female Screwed Thread

Nominal Sizes	Material	Part No.	
2" BSPT	Aluminium Alloy	HYD068-LA-50BSPT	i
2" BSPT	Copper Alloy	HYD068-GM-50BSPT	
2 1/2" BSPT	Aluminium Alloy	HYD068-LA-65BSPT	i
2 1/2" BSPT	Copper Alloy	HYD068-GM-65BSPT	i



BI Female x Male Screwed Thread

Nominal Sizes	Material	Part No.	
2" BSPT	Aluminium Alloy	MIS010-LA-50BSPT	i
2" BSPT	Copper Alloy	MIS010-GM-50BSPT	
2 1/2" BSPT	Aluminium Alloy	MIS010-LA-65BSPT	i
2 1/2" BSPT	Copper Alloy	MIS010-GM-65BSPT	i

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BI Male x Female Screwed Thread

Nominal Sizes	Material	Part No.	
Male BS336 x female 2" BSPT	Aluminium Alloy	MIS017-LA-50BSPT	
Male BS336 x female 2" BSPT	Copper Alloy	MIS017-GM-50BSPT	
Male BS336 x female 2 1/2" BSPT	Copper Alloy	MIS017-GM-65BSPT	i



BI Male x Male Screwed Thread

Nominal Sizes	Material	Part No.	
Male BS336 x male 2" BSPT	Aluminium Alloy	MIS116-LA-50BSPT	
Male BS336 x male 2" BSPT	Copper Alloy	MIS116-GM-50BSPT	
Male BS336 x male 2 1/2" BSPT	Aluminium Alloy	MIS116-LA-65BSPT	
Male BS336 x male 2 1/2" BSPT	Copper Alloy	MIS116-GM-65BSPT	

BK01

## Adaptors



Double BI Female		
Material	Part No.	
Aluminium Alloy	HYD083-LA-065-NA	i
Copper Alloy	HYD083-GM-065-NA	i



Double BI Male		
Material	Part No.	
Aluminium Alloy	MIS008-LA-065-NA	i
Copper Alloy	MIS008-GM-065-NA	i



65mm BI Blank		
Material	Part No.	
Aluminium Alloy	MIS221-LA-100-NA	i
Copper Alloy	MIS221-GM-100-NA	i

**HOSE AND  
FITTINGS**  
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BK01

## Adaptors



100mm Female Screwed Cap

Material	Part No.	
Aluminium Alloy	MIS222-LA-100-NA	i
Copper Alloy	MIS222-GM-100-NA	i



100mm BI Cap

Material	Part No.	
Aluminium Alloy	MIS223-LA-100-NA	i



65mm BI Plastic Cap c/w Chain

Material	Part No.	
Plastic	MISHYC067-PS-BK	i



Part No.

Type

FFS-MIS001P

WA - BI (plug)

HOSE AND  
FITTINGS

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Delivery Hose  
Coupling BI 336

Specifications

Aluminium Alloy:	To BS 1490 LM 25
Copper Alloy:	To BS 1400 LG 2
Finish:	Natural
Coupling Tail:	Ribbed

Nominal Sizes	Material	Part No.	
1½" (38mm)	Aluminium Alloy	WRS079-LA-038-NA	i
1¾" (45mm)	Aluminium Alloy	WRS079-LA-045-NA	
2" (50mm)	Aluminium Alloy	WRS079-LA-050-NA	i
2½" (65mm)	Aluminium Alloy	WRS079-LA-065-NA	i
1½" (38mm)	Copper Alloy	WRS079-GM-038-NA	i
1¾" (45mm)	Copper Alloy	WRS079-GM-045-NA	
2" (50mm)	Copper Alloy	WRS079-GM-050-NA	
2½" (65mm)	Copper Alloy	WRS079-GM-065-NA	i

BK01

## Brass Adaptors



Hose Tail x SAFB Female			
Hose Tail Size (inch)	SAFB Thread (inch)	Part No.	
1½	2½	DIXS38NTG	i
2	2½	DIXS50NTG	
2½	2½	DIXS63NTG	



Hose Tail x SAFB Male			
Hose Tail Size (inch)	SAFB Thread (inch)	Part No.	
1½	2½	DIXSA38MEG	i
2	2½	DIXSA50MEG	i
2½	2½	DIXSA63MEG	



Female BSP x SAFB Male			
BSPF Size (inch)	SAFB Thread (inch)	Part No.	
1½	2½	DIXS38BF	i
2	2½	DIXS50BF	
2½	2½	DIXS63BF	i
3	2½	DIXS80BF	i



Male BSP x SAFB Male			
BSPM Size (inch)	SAFB Thread (inch)	Part No.	
2	2½	DIXS50BHN	
2½	2½	DIXS63BHN	
3	2½	DIXS80BHN	i

HOSE AND FITTINGS  
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AB03

## Brass Adaptors



Male BSP x SAFB Female			
BSPM Size (inch)	SAFB Thread (inch)	Part No.	
3/4	2 1/2	DIXS20BM	
1	2 1/2	DIXS25BM	i
1 1/2	2 1/2	DIXS38BM	i
2	2 1/2	DIXS50BM	
2 1/2	2 1/2	SAFS63BM	i
3	2 1/2	SAFS80BM	i

AB03



Female BSP x SAFB Female (fixed)			
BSPF Size (mm)	SAFB Thread (mm)	Part No.	
1 1/2	2 1/2	DIXSAF38BF	i
2	2 1/2	DIXSAF50BF	
2 1/2	2 1/2	DIXSAF63BF	
3	2 1/2	DIXSAF80BF	i

AB03



Female BSP x SAFB Female (swivel)			
BSPF Size (mm)	SAFB Thread (mm)	Part No.	
2 1/2	2 1/2	SAFS63BF	i
3	2 1/2	SAFS80BF	

AB03



SAFB Caps, Plugs and Chain			
Type	SAFB Thread (mm)	Part No.	
Cap & chain	2 1/2	DIX63SBCC	
Plug & chain	2 1/2	DIXSBPC	i

AB03

## Jet/Spray Nozzle with Control Valve



<b>Connection:</b>	Inlet size - 2" BSP (male).
<b>Flow Rate @ 65psi:</b>	160L/min (jet) 140L/min (spray).
<b>Throw Range @ 65psi:</b>	14m (jet and spray).

Material	Part No.	Type
Aluminium Alloy to BS1490	WRS078-LA-050-NA	i Standard

## Viper Fire Nozzles



1½" Viper

<b>Application:</b>	Suitable for hose cabinets and a variety of other uses requiring an industrial strength nozzle.
<b>Design:</b>	Shut-off, jet and mist effects. Fixed teeth.
<b>Thread:</b>	Female pipe thread suitable for BSP and NPT.
<b>Seal:</b>	Rubber gasket creates pressure-type seal

Thread Size (inch)	Part No.	Working Pressure		Flow Rate (lpm @100psi)
		psi	MPa	
1	FNV025	150	1.0	150
1½	FNV040	150	1.0	360

FP08

HOSE AND FITTINGS

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**FIRE  
EXTINGUISHERS**  
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## Fireman - Powder



**MF06ABE**



Australian Standard  
AS1841.5 LIC2048



**MF10ABE**

Technical Specifications		
Model:	MF06ABE	MF10ABE
Capacity:	600g	1.0Kg
Overall Weight:	1.2Kg	1.8Kg
Volume:	0.7L	1.5L
Test Pressure:	25bar (362.5 psi)	25bar (362.5 psi)
Working Pressure:	10 bar (145 psi)	10 bar (145 psi)
Min. Burst Pressure:	45 bar (653 psi)	45 bar (653 psi)
Discharge Time:	13 sec	13 sec
Fire Rating:	1A - 5B - E	1A , 10BE
Temperature Range:	-20°C to 60°C	-20°C to 60°C
Powder Type:	BFI HP ABE	BFI HP ABE
Finishing:	Red	Red

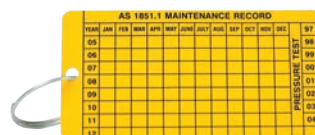
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Refer page 90 for Extinguisher Signs

Size	Part No.
600 g	MF06ABE
1 kg	MF10ABE

FP04



Maintenance Record Tag	
Part No.	
FFS-MRT	

FP08

## ABE Powder Extinguisher

Multi-purpose ABE powder is a versatile extinguishant which is used to extinguish class A (Carbonaceous) fires, achieved by sealing burning embers. It is also used on class B (Flammable Liquid) fires and class E (Electrical Fires).

The ABE powder Extinguishers are approved by Australian Standard to AS1841.5.



Australian Standard  
AS1841.5 LIC2048



### Technical Specifications

	1.0	2.5	4.5	9.0
Capacity (kg):	1.0	2.5	4.5	9.0
Fire Class:	ABE	ABE	ABE	ABE
Fire Rating:	1A:20B:E	3A:40B:E	4A:80B:E	6A:80B:E
Operating Temperature:	-20° C to +60°C	-20° C to +60°C	-20° C to +60°C	-20° C to +60°C
Test Pressure:	2.5MPa (25 bar)	2.5MPa (25 bar)	2.5MPa (25 bar)	2.5MPa (25 bar)
Operating Pressure 23°C:	1,000kPa	1,000kPa	1,400kPa	1,400kPa
Min Discharge Material:	13s	16s	20s	24s
Cylinder Material:	Cold Roll Carbon Steel	Cold Roll Carbon Steel	Cold Roll Carbon Steel	Cold Roll Carbon Steel
Cylinder Thickness:	1.0mm	1.2mm	1.4mm	1.6mm
Operating Valve:	Brass	Brass	Brass	Brass
Height:	325mm	400mm	490mm	570mm
Diameter:	91.5mm	118.5mm	157mm	176mm
Full Weight:	2.1 kg	4.7 kg	7.6 kg	12.8 kg
Carton Size (mm):	110x125x335	140x160x430	190x210x510	215x225x590

Also available in 4.5kg and 9kg with full Stainless Steel Cylinder

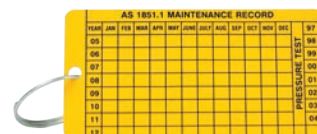
FIRE  
EXTINGUISHERS  
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Size (kg)	Part No.
1	EXT-ABE-1KG
2.5	EXT-ABE-2.5KG
4.5	EXT-ABE-4.5KG
9	EXT-ABE-9KG

FP04



Refer page 90 for Extinguisher Signs



Maintenance Record Tag

Part No.

FFS-MRT

FP08

## Foam, Water & Chemical Fire Extinguishers



Water is the most commonly used extinguishant for class A fires involving carbonaceous materials such as wood, paper and textiles. Water extinguishers cool the fire, removing the heat needed to sustain burning.

Foam fire extinguishers with AFFF additive have the effect of improving a water based extinguisher, enabling it to fight class A and B fires.

Wet chemical extinguishers contains special potassium acetate based agent for use on fires involving cooking oils or fats.

All fire extinguishers are manufactured and approved to AS1841.1



Australian Standard  
 AS1841.2 LIC2087-WATER  
 AS1841.3 LIC2086-WET CHEMICAL  
 AS1841.4 LIC2085-FOAM

### Technical Specifications

Type:	Water	Foam	Wet Chemical	Wet Chemical
Capacity:	9.0L	9.0L	7.0L	2.5L
Fire Class:	A	AB	AF	AF
Fire Rating:	2A	3A:20B	2A:4F	1A:3F
Operating Temperature:	+1° C to 60°C	+1° C to 60°C	+1° C to 60°C	+1° C to 60°C
Test Pressure:	2.5MPa	2.5MPa	2.5MPa	2.5MPa
Operating Pressure 23°C:	700kPa	1,000kPa	700kPa	700kPa
Min Discharge Time:	94secs	43secs	75secs	45secs
Cylinder Material:	1.6mm cold Roll Carbon Steel	1.6mm cold Roll Carbon Steel	1.6mm cold Roll Carbon Steel	1.6mm cold Roll Carbon Steel
Cylinder Lining:	Polythene	Polythene	Polythene	Polythene
Operating Valve:	Brass	Brass	Brass	Brass
Height:	635mm	635mm	635mm	410mm
Diameter:	181mm	181mm	181mm	118.5mm
Full Weight:	13.5kg	13.5kg	11.7kg	4.8kg
Carton Size (mm):	200 x 200 x 645	200 x 200 x 645	140 x 160 x 430	140 x 160 x 430

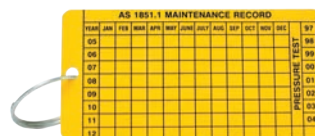
**FIRE EXTINGUISHERS**  
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Description	Part No.	Approval
Foam 9L	EXT-FOAM-9LTR	i AS1841.1
Chemical 2.5L	EXT-WC-2.5LT	i AS1841.3
Chemical 7L	EXT-WC-7LT	AS1841.3
Air/Water 9L	EXT-AW-9LTR	AS1841.2

FP04



Refer page 90 for Extinguisher Signs



Maintenance Record Tag
Part No.
FFS-MRT

FP08



CO<sub>2</sub> Extinguisher

Carbon Dioxide (CO<sub>2</sub>) is used on class B (Flammable Liquid) fires.

CO<sub>2</sub> is safe to use on live electrical fires. CO<sub>2</sub> fire extinguishers are available in a variety of sizes with light weight steel cylinders. All fire extinguishers are manufactured and approved to AS1841.5 and AS1841.1



Australian  
Standard  
AS1841.6 LIC2063

## Technical Specifications

	2.0	3.5	5.0
Capacity (kg):	2.0	3.5	5.0
Fire Class:	BE	BE	BE
Fire Rating:	2B:E	5BE	5B:E
Operating Temperature:	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Test Pressure: *	25MPa (250BAR)	25MPa (250BAR)	25MPa (250BAR)
Operating Pressure At:	5.0 MPa (50 BAR)	5.0 MPa (50 BAR)	5.0 MPa (50 BAR)
Min Discharge Time:	12 secs	14 secs	15 secs
Cylinder Material:	Chromium Molybdenum, BS5045 Part 1	Chromium Molybdenum, BS5045 Part 1	Chromium Molybdenum, BS5045 Part 1
Operating Valve:	Forged Brass	Forged Brass	Forged Brass
Height:	625mm	595mm	770mm
Diameter:	105mm	138mm	138mm
Full Weight:	7.9kg	11.8kg	15.1kg
Carton Size (mm):	200x200x635	200x245x610	230x245x780

\* Test Pressure for Cylinder, Valve and Discharge Hose.

FIRE  
EXTINGUISHERS

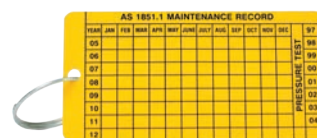
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Size (kg)	Part No.
2.0	EXT-CO2-2KG
3.5	EXT-CO2-3.5KG
5.0	EXT-CO2-5KG

FP04



Refer page 90 for Extinguisher Signs



Maintenance Record Tag

Part No.

FFS-MRT

FP08

## Cabinets



Keylock



Pushlock

Material:	Mild Steel
Thickness:	1.0mm
Installation:	Wall Mounted
Paint Finish:	Epoxy Powder Red

	Description	W x H x D (mm)	Weight (kg)
EXT-CAB-9KG/KL	i Keylock 9kg	280 x 710 x 260	6.9
EXT-CAB-4.5KG/KL	i Keylock 4.5kg	280 x 546 x 203	6.3
EXT-CAB-9KG	Pushlock 9kg	280 x 710 x 260	7.3
EXT-CAB-4.5KG	Pushlock 4.5kg	280 x 246 x 203	6.5

FP04

## Bag



Part No.	Description
EXT-CHDPRCE	PVC Extinguisher Bag

Extinguisher not included

FP04

## Heavy Duty Vehicle Bracket



Material:	Galvanised Mild Steel
-----------	-----------------------

Part No.	Size (kg)
HDVB2.5	2.0 - 2.5
HDVB4.5	4.5
HDVB9.0	9.0

Extinguisher not included

FP11

## Fire Blankets



Application:	Kitchen
Material:	Woven Fibre Glass
Standards:	Tested and complies to AS3504

Part No.	Size (mm)
FBT1010	1000 x 1000
FFS-FB1200	1200 x 1200
FFS-FB1800	1800 x 1200

FP04

FIRE EXTINGUISHERS  
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## Fire Signs



Fire Extinguisher Signs		
Part No.	Description	Size (mm)
EXT-CO2SIGN	CO <sub>2</sub> Identification Sign	190 x 190
EXT-ABESIGN	ABE Identification Sign	190 x 190
EXT-FOAMSIGN	i Foam Identification Sign	190 x 190
EXT-WATERSIGN	Water Identification Sign	190 x 190
EXT-BESIGN	i BE Identification Sign	190 x 190
EXT-LOCSIGN	Fire Extinguisher Location Sign Medium	210 x 320

Hose Reel Signs		
Part No.	Description	Size (mm)
EXT-HRLOCM	Hose Reel Medium Location Sign	210 x 320
FFS-SIGN-HRS	i Hose Reel Small Location Sign	150 x 225

Hydrant Booster Sign		
Part No.	Description	Size (mm)
FFS-SIGN-FHB	Fire Hydrant Booster Sign	250 x 200

Sprinkler Booster Sign		
Part No.	Description	Size (mm)
FFS-SIGN-FSB	Fire Sprinkler Booster Sign	150 x 225

Fire Blanket Sign		
Part No.	Description	Size (mm)
FFS-LSFBP	Fire Blanket Location Sign	150 x 225

## Self Adhesive Signs



Part No.	Description	Size (mm)
FFS-SLABEL	i Label DCP ABE - Large	125 x 600
FFS-SLABES	i Label DCP ABE - Small	110 x 245
FFS-SLBEL	i Label DCP DCP BE - Large	125 x 60
FFS-SLABELS	i Label DCP BE - Small	110 x 245
FFS-SLAF	i Label Air/Foam	160 x 295
FFS-SLAW	i Label Air/Water	160 x 295
FFS-SLCO2	i Label CO <sub>2</sub>	140 x 675
FFS-SLWC	i Label Wet Chemical	160 x 295
FFS-SLUWB	i Universal White Band for ABE	50 x 500
FFS-SLBLUE	i Blue Band for Air Foam	50 x 500
FFS-SLOAT	i Oatmeal Band For Wet Chemical	50 x 500

FP11

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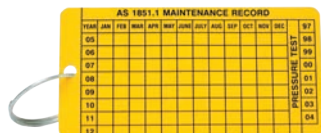
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## Fire Hydrant



Available in DR brass or cast iron body configurations. Variety of end connections available in brass and bronze. Storz also available.

NSW			
Size (inch)	Part No.	Type	Material
Hydrant Landing Valves			
2½ FBT x 2½BSP	FFS-LVNSW-65B	NSW - FBT	DR Brass
2½ FBT x 3 RG	FFS-LVNSW-RGB	NSW - FBT	DR Brass
2½ STORZ x 3 RG or 2½ BSP	FFS-LV-STORZ	Storz	DR Brass
Hydrant Landing Valve Caps & Chains			
-	FFS-LVCP	NSW - FBT	Plastic
-	FFS-LVCB	NSW - FBT	Brass
-	FFS-STCAP-P	Storz	Plastic
-	FFS-STCAP-A	Storz	Alloy

For hydrant valve lockout device, refer to page 126.

QLD			
Size (inch)	Part No.	Type	Material
Hydrant Landing Valves			
2¼QRT x 2½BSP	FFS-LVQRT-65B	QLD - QRT	DR Brass
2¼QRT x 3 RG	FFS-LVQRT-RGB	QLD - QRT	DR Brass
Hydrant Landing Valve Caps & Chains			
-	FFS-LVCP-Q	QLD - QRT	Plastic
-	FFS-LVCB-QRT	QLD - QRT	Brass

VIC			
Size (inch)	Part No.	Type	Material
Hydrant Landing Valves			
2½ MFB x 3 RG	FFS-LVMFB-65B	Melb - MFB	DR Brass
2½ CFA x 3 RG	FFS-LVCFA-65B	VIC - CFA	DR Brass
2½MFB x 2½ BSP	FFS-LVMFB-65M	Melb - MFB	DR Brass
2½ STORZ x 3 RG or 2½ BSP	FFS-LV-STORZ	Storz	DR Brass
Hydrant Landing Valve Caps & Chains			
-	FFS-STCAP-P	Storz	Plastic
-	FFS-STCAP-A	Storz	Alloy
-	FFS-CFACP	VIC - CFA	Plastic

SA			
Size (inch)	Part No.	Type	Material
Hydrant Landing Valves			
2½ SART x 3 RG	FFS-LVSART-80RG	SA - SART	DR Brass
2½ SART x 3 RG	FFS-LVSA-80RG-TP	SA-SART Tamper Proof	DR Brass
Hydrant Landing Valve Caps & Chains			
-	FFS-LVCP-SART	SA - SART	Plastic

WA			
Size (inch)	Part No.	Type	Material
Hydrant Landing Valves			
BI WA x 3 RG	FFS-LVBI-RG	WA - BI	DR Brass
BI WA x 65 BSP	FFS-LVBI-BSP	WA - BI	DR Brass
Hydrant Landing Valve Caps & Chains			
-	FFS-MIS001P	WA - BI (plug)	Poly

AB03

Maintenance Record Tag	
Part No.	
FFS-MRT	

VALVES

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## Brass Ball Valve AGA Approved



Lever Handle



T Handle



<b>Design:</b>	Full bore, blow-proof stem
<b>End Connection:</b>	Female x Female BSP
<b>Body Materials:</b>	Nickel plated brass with stainless steel handle
<b>Seat &amp; Ball:</b>	PTFE seat and chrome plated brass ball
<b>Temperature:</b>	-10°C to 110°C
<b>Approvals:</b>	AGA Certified
<b>Application:</b>	Recommended for general use with water, oil & gas

### Lever Handle \*

Size		Part No.	Working Pressure	
inch	mm		psi	MPa
¼	6	BBVAGA006	600	4.1
⅜	10	BBVAGA010	600	4.1
½	15	BBVAGA012	600	4.1
¾	20	BBVAGA020	600	4.1
1	25	BBVAGA025	600	4.1
1¼	32	BBVAGA032	600	4.1
1½	40	BBVAGA040	600	4.1
2	50	BBVAGA050	600	4.1

\* Superseded model will be supplied whilst stocks last - check with Dixon at time of order.

Size		Part No.	Working Pressure	
inch	mm		psi	MPa
¼	6	BBVAGAT006	710	4.9
⅜	10	BBVAGAT010	710	4.9
½	15	BBVAGAT012	710	4.9
¾	20	BBVAGAT020	570	3.9
1	25	BBVAGAT025	570	3.9

<b>Design:</b>	Full Bore
<b>End Connection:</b>	Screwed Male/Female BSP.
<b>Body Materials:</b>	Brass
<b>Seat &amp; Trim:</b>	PTFE Seats
<b>Temperature:</b>	-20°C, 60°C (class T2 under EN331)
<b>Application:</b>	Industrial pneumatic and hydraulic applications. Water, oil & gas.

Size		Part No.	Working Pressure	
inch	mm		psi	MPa
½	15	BBVAGAMF012	710	4.9
¾	20	BBVAGAMF020	570	3.9
1	25	BBVAGAMF025	570	3.9
1½	40	BRBLMF040	363	2.5

AR01

VALVES

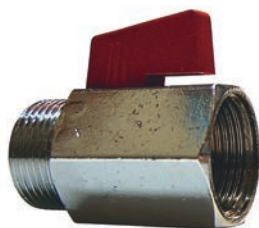
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**\*Warning:** the formation of ice in the plant can severely damage valves and piping. We also remind that the maximum working temperature in gas pipes permitted all regulations is 60° C.

## Mini Ball Valves



art.125



art.126

<b>Design:</b>	Blow-out proof stem with chrome ball
<b>End Connection:</b>	Screwed Female & Male/ Female BSP. ISO228 (equivalent to DIN259 and BS2779)
<b>Body Materials:</b>	Nickel-plated brass
<b>Seat &amp; Trim:</b>	PTFE Seats
<b>Temperature:</b>	-0°C - 90°C. Rated to 220psi.
<b>Application:</b>	Domestic water services, heating and air-conditioning plants, compressed air systems

## Female BSP x Female BSP

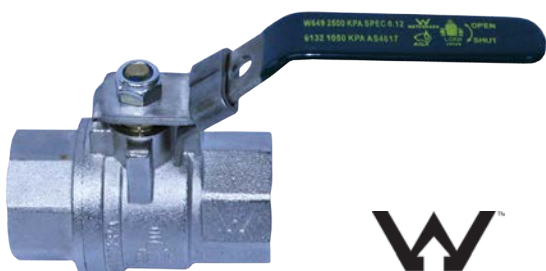
Size		Part No.		Working Pressure	
inch	mm			psi	MPa
1/8	3	MBF003	i	220	1.5
1/4	6	MBVFF006		220	1.5
3/8	10	MBVFF010		220	1.5
1/2	15	MBVFF012		220	1.5
3/4	20	MBVFF020		220	1.5

## Female BSP x Male BSP

Size		Part No.		Working Pressure	
inch	mm			psi	MPa
1/8	3	MBM003	i	220	1.5
1/4	6	MBVMF006		220	1.5
3/8	10	MBVMF010		220	1.5
1/2	15	MBVMF012		220	1.5
3/4	20	MBVMF020		220	1.5

AR01

## Lockable



<b>Design:</b>	Lever operated, C/W Locking device, for lock open or lock closed.
<b>End Connection:</b>	Screwed Female BSP.
<b>Body Materials:</b>	Brass, Nickel Plated.
<b>Seat &amp; Trim:</b>	PTFE seats
<b>Temperature:</b>	-10 to 110°C
<b>Application:</b>	For Industrial Pneumatic and Hydraulic applications. Water, oil & gas.
<b>Approvals:</b>	AGA and Watermark

Size		Part No.	
inch	mm		
1/2	15	V15LO	
3/4	20	V20LO	
1	25	V25LO	
1 1/4	32	V32LO	
1 1/2	40	V40LO	
2	50	V50LO	

VB06

VALVES

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## ANSI Valve - Petro-Chemical



<b>Design:</b>	Stainless Steel Fire-Safe Approved Ball Valve to API 607
<b>End Connection:</b>	Flanged & drilled to ANSI 150LB
<b>Body Materials:</b>	CF8M (SS316)
<b>Seat &amp; Trim:</b>	PTFE seat
<b>Pressure:</b>	285psi for water, oil & gas & corrosive fluids
<b>Accessories:</b>	Gear operated, electric & pneumatic actuated

Fire Safe Approved - Certified Flanged Ball Valve			
Size NB		Part No.	
inch	mm		
½	15	V2FH-015	i
¾	20	V2FH-020	i
1	25	V2FH-025	i
1½	32	V2FH-040	i
2	50	V2FH-050	i
2½	65	V2FH-065	i
3	80	V2FH-080	i
4	100	V2FH-100	i
6	150	V2FH-150	

VS01

## ANSI Valve - Lever Operated



<b>Design:</b>	SS Ball Valve flanged ANSI 150 lever operated
<b>End Connection:</b>	Flanged & drilled to ANSI 150LB / un-drilled / Table D/E
<b>Body Materials:</b>	CF8M (SS316), SS ball
<b>Seat &amp; Trim:</b>	PTFE seat
<b>Pressure:</b>	ANSI 150 is 285psi for water, oil & gas & corrosive fluids
<b>Accessories:</b>	Gear operated, electric & pneumatic actuated

Stainless Steel Drilled Table E Ball Valve					
Size NB		ANSI 150 Drilled		Drilled Table D/E	
inch	mm	Part No.		Part No.	
½	15	V2F-150-015	i	-	
¾	20	V2F-150-020	i	-	
1	25	V2F-150-025	i	-	
1¼	32	V2F-150-032	i	-	
1½	40	V2F-150-040	i	-	
2	50	V2F-150-050	i	V2F-150DR-050	i
2½	65	V2F-150-065	i	V2F-150DR-065	i
3	80	V2F-150-080	i	V2F-150DR-080	i
4	100	V2F-150-100	i	V2F-150DR-100	i
6	150	V2F-150-150	i	V2F-150DR-150	i
8	200	V2F-150-200	i	-	

VS01



## Stainless Steel One Piece Ball Valve



<b>Design:</b>	Standard port
<b>End Connection:</b>	Female x female BSP
<b>Body Materials:</b>	SS 316
<b>Seat &amp; Trim:</b>	PTFE seat
<b>Pressure:</b>	15mm to 40mm rated to 800 psi. 50mm rated to 600psi.
<b>Application:</b>	For use with air, water, oil, gas & most chemicals. Locking device standard.

Size		Part No.
inch	mm	
¼	6	SS1P006
⅜	10	SS1P010
½	15	SS1P012
¾	20	SS1P020
1	25	SS1P025
1¼	32	SS1P032
1½	40	SS1P040
2	50	SS1P050

## Two Piece SS Ball Valve



<b>Design:</b>	Full bore
<b>End Connection:</b>	Female x female BSP
<b>Body Materials:</b>	SS 316
<b>Seat &amp; Trim:</b>	PTFE seat
<b>Pressure:</b>	15mm to 40mm rated to 800 psi. 50mm rated to 600psi.
<b>Application:</b>	For use with air, water, oil, gas & most chemicals. Locking device standard.

Size		Part No.
inch	mm	
¼	6	SS2P006
⅜	10	SS2P010
½	15	SS2P012
¾	20	SS2P020
1	25	SS2P025
1¼	32	SS2P032
1½	40	SS2P040
2	50	SS2P050

## Three Piece SS Ball Valve



<b>Design:</b>	Full bore
<b>End Connection:</b>	Female x female BSP
<b>Body Materials:</b>	SS 316
<b>Seat &amp; Trim:</b>	PTFE seat
<b>Pressure:</b>	15mm to 40mm rated to 800 psi. 50mm to 100mm rated to 600psi.
<b>Application:</b>	For use with air, water, oil, gas & most chemicals. Locking device standard.

Size		Part No.
inch	mm	
½	15	SS3P015
¾	20	SS3P020
1	25	SS3P025
1¼	32	SS3P032
1½	40	SS3P040
2	50	SS3P050
2½	65	SS3P065
3	80	SS3P075
4	100	SS3P100

## 3 Piece SS Ball Valve with Pneumatic Actuator



<b>Design:</b>	Full bore fitted with double acting and spring return actuator. Direct mounted. Namur solenoids 5/2.
<b>End Connection:</b>	Female x Female BSP
<b>Body Materials:</b>	SS316
<b>Pressure:</b>	Min: external air pressure 5.5 bar.
<b>Approvals:</b>	ISO5211 (mounting plate)
<b>Options:</b>	Limit switch box & open/close indicators are available as options.
<b>Application:</b>	Most fluid applications and air or gas where compatible with valve, body and trim. Note: for dry applications please contact your nearest Dixon branch

### Double Acting

Size		Part No.	
inch	mm		
½	15	SS3P015-ACT-DA	i
¾	20	SS3P020-ACT-DA	i
1	25	SS3P025-ACT-DA	
1¼	32	SS3P032-ACT-DA	i
1½	40	SS3P040-ACT-DA	i
2	50	SS3P050-ACT-DA	
2½	65	SS3P065-ACT-DA	i
3	80	SS3P080-ACT-DA	i
4	100	SS3P100-ACT-DA	i

### Spring Return

Size		Part No.	
inch	mm		
½	15	SS3P015-ACT-SR	
¾	20	SS3P020-ACT-SR	i
1	25	SS3P025-ACT-SR	i
1¼	32	SS3P032-ACT-SR	i
1½	40	SS3P040-ACT-SR	i
2	50	SS3P050-ACT-SR	
2½	65	SS3P065-ACT-SR	i
3	80	SS3P080-ACT-SR	i
4	100	SS3P100-ACT-SR	i

## 3 Piece SS Ball Valve with Electric Actuator



<b>Design:</b>	Full bore, 240V AC. Open/Shut only.
<b>End Connection:</b>	Female x Female BSP
<b>Body Materials:</b>	SS316
<b>Seat &amp; Trim:</b>	PTFE seats
<b>Options:</b>	24V AC/DC also available.
<b>Application:</b>	Water, oil, gas and chemicals. Not suitable for dry applications

Size		Part No.	
inch	mm		
½	15	SS3P015-EA	i
¾	20	SS3P020-EA	i
1	25	SS3P025-EA	i
1¼	32	SS3P032-EA	i
1½	40	SS3P040-EA	i
2	50	SS3P050-EA	i
2½	65	SS3P065-EA	i
3	80	SS3P080-EA	i
4	100	SS3P100-EA	i

VS02

### Stainless Steel 3 Way 'L' Port Ball Valve



<b>Design:</b>	Lever operated anti-static device with blow-out proof stem, ASTM A351-CF8M. ISO 5211
<b>End Connection:</b>	Female x Female x Female BSP
<b>Body Material:</b>	SS316
<b>Seat &amp; Trim:</b>	Trim: SS316; Seats: PTFE
<b>Pressure:</b>	Rated to 1,000psi
<b>Application:</b>	For use with air, water, oil and gas

Size		Part No.	
inch	mm		
½	15	SS3WL012	
¾	20	SS3WL020	
1	25	SS3WL025	
1¼	32	SS3WL032	i
1½	40	SS3WL040	
2	50	SS3WL050	

AR02

### 3 Way Standard Brass Ball Valve, L & T Port



<b>Design:</b>	Lever operated
<b>End Connection:</b>	Screwed Female BSP
<b>Body Material:</b>	Nickel-plated brass
<b>Seat &amp; Trim:</b>	PTFE seats
<b>Temperature:</b>	Air -15°C - 150°C Water -0°C - 150°C without steam.
<b>Application:</b>	Domestic water services, heating and air-conditioning plants, compressed air systems. Available with a T or L-drilled ball.

T Port					
Size		Part No.		Working Pressure	
inch	mm			psi	MPa
¼	6	BBV3WT006	i	360	2.5
¾	10	BBV3WT010		360	2.5
½	15	BBV3WT012		360	2.5
¾	20	BBV3WT020		360	2.5
1	25	BBV3WT025		360	2.5
1¼	32	BBV3WT032		360	2.5
1½	40	BBV3WT040		360	2.5
2	50	BBV3WT050		360	2.5

L Port					
Size		Part No.		Working Pressure	
inch	mm			psi	MPa
¼	6	BBV3WL006		360	2.5
¾	10	BBV3WL010		360	2.5
½	15	BBV3WL012		360	2.5
¾	20	BBV3WL020		360	2.5
1	25	BBV3WL025		360	2.5
1¼	32	BBV3WL032		360	2.5
1½	40	BBV3WL040		360	2.5
2	50	BBV3WL050		360	2.5

AR01

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## Ball Bibcock without Hose Connection



art.178

<b>Design:</b>	Lever Tap
<b>End Connection:</b>	ISO228 (equivalent to DIN259 and BS2779)
<b>Body Materials:</b>	Nickel-plated brass
<b>Temperature:</b>	-20°C, 80°C
<b>Pressure:</b>	Max 220 psi
<b>Application:</b>	Water, irrigation

Size		Part No.	Working Pressure	
inch	mm		psi	MPa
½ x ¾	15 x 20	BB015020	220	1.5
¾ x ¾	20 x 20	BB020	220	1.5

## Brass - Lever Operated Nozzle



<b>Design:</b>	Brass ball valve, Complete with lever operated nozzle to suit 20mm hose.
<b>End Connection:</b>	¾" Hosetail
<b>Body Materials:</b>	Brass
<b>Temperature:</b>	-10° to 110°C
<b>Application:</b>	Water, irrigation

Size		Part No.
inch	mm	
¾	20	FFS-HRN-BALL

FP08

## Brass Untested



<b>Design:</b>	Iron handwheel, adjustable packing nut, integral seat
<b>End Connection:</b>	Screwed Female BSP
<b>Body Materials:</b>	Brass
<b>Wedge:</b>	Bronze solid wedge disc
<b>Pressure:</b>	Working pressure 200 psi non-shock cold water, oil.
<b>Application:</b>	For pumping, irrigation, light industrial and domestic and rural services

Size (mm)	Part No.	
15	GV050B	
20	GV075B	
25	GV100B	
32	GV125B	
40	GV150B	
50	GV200B	
65	GV250B	
80	GV300B	i
100	GV400B	i

VB04

## DZR Tested - AS1628



<b>Design:</b>	Iron handwheel, adjustable packing nut, integral seat
<b>End Connection:</b>	Screwed Female BSP
<b>Body Materials:</b>	Bronze
<b>Wedge:</b>	Bronze solid wedge disc
<b>Temperature:</b>	99°C @ 1.7 MPa
<b>Approvals:</b>	Complies with requirements of AS1628 Water Mark approved LIC
<b>Options:</b>	T bar handle available on selected sizes on request
<b>Application:</b>	For industrial, pneumatic & hydraulic.

Size (mm)	Part No.	Working Pressure	
		psi	MPa
15	V15GVT	360	2.5
20	V20GVT	360	2.5
25	V25GVT	360	2.5
32	V32GVT	360	2.5
40	V40GVT	360	2.5
50	V50GVT	360	2.5
65	V65GVT	i 360	2.5
80	V80GVT	360	2.5
100	V100GVT	i 360	2.5

VB05

VALVES

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## Stainless Steel Screwed



<b>Design:</b>	Adjustable packing & CI hand wheel
<b>End Connection:</b>	Screwed Female BSP
<b>Body Materials:</b>	Stainless steel
<b>Pressure:</b>	200 psi
<b>Temperature:</b>	-20 to 232°C for water, oil, gas & corrosive fluids

Size NB (mm)	Part No.	
15	SGV-015	i
20	SGV-020	i
25	SGV-025	i
32	SGV-032	i
40	SGV-040	i
50	SGV-050	i

VS01

## Grooved Fig GVR-G-1161



<b>Design:</b>	Rising stem OS&Y Gate Valve
<b>End Connection:</b>	Roll Grooved
<b>Body Materials:</b>	Cast iron body with wedge, Bronze seat.
<b>Pressure:</b>	Max working pressure 1,600kPa at -10 to 100°C.
<b>Approvals:</b>	Conforms to BS 5150. Grooved ends are made in accordance with metric standard pipe.
<b>Application:</b>	For fire protection & distribution services. Water, oil & gas.

Face to Face Dim	Part No.		Size NB (mm)	Pipe OD (mm)
203	GVR-G-1161-080	i	80	88.9
229	GVR-G-1161-100		100	114.3
267	GVR-G-1161-150		150	165.1
292	GVR-G-1161-200	i	200	219.1

VC05

## Monitored Grooved



<b>Design:</b>	Rising stem OS&Y Gate Valve with Class B Switches.
<b>End Connection:</b>	Roll Grooved
<b>Body Materials:</b>	Cast iron body with wedge, bronze seat.
<b>Application:</b>	Suitable for applications where valves with supervisory switches are required eg fire distribution services.
<b>Mon Device:</b>	Class B - Potter - UL / FM
<b>Options:</b>	Amtron Class A switch

Face to Face Dim	Part No.		Size NB (mm)	Pipe OD (mm)
203	VG172-OSYG80ATS	i	80	88.9
229	VG172-OSYG100ATS	i	100	114.3
267	VG172-OSYG150ATS	i	150	165.1
292	VG172-OSYG200ATS	i	200	219.1

**Note:** Supplied in kit form for assembly at site.

VC04

## Grooved Fig F0122-300



<b>Design:</b>	Resilient seated EPDM encapsulated wedge. OS&Y.
<b>Body Materials:</b>	Ductile iron
<b>Pressure:</b>	Max working pressure 1600 kPa at -10 to 120°C.
<b>Application:</b>	For fire protection & distribution services. Water, sewerage & neutral liquids.

Face to Face Dim	Part No.		Size NB (mm)	Pipe OD (mm)
191	VG172-OSY-G80	i	80	88.9
229	VG172-OSY-G100		100	114.3
267	VG172-OSY-G150		150	165.1
292	VG172-OSY-G200	i	200	219.1
356	VG172-OSY-G250	i	250	273

VC03



## Shouldered Fig GVNR-S-1161



<b>Design:</b>	Non-rising stem Gate Valve. Shoulder dimensions are made in accordance with metric pipe.		
<b>End Connection:</b>	Shouldered		
<b>Body Materials:</b>	Ductile iron body, Stainless steel stem, bronze seat		
<b>Wedge:</b>	Cast iron wedge.		
<b>Approvals:</b>	Conforms to BS5150 - PN20 rated		
<b>Application:</b>	Water and slurry applications - mining		
Face to Face Dim	Part No.		Size NB (mm)
203	GVNR-S-1161-080	i	80
229	GVNR-S-1161-100		100
267	GVNR-S-1161-150		150

Note: Sizes 190, 292, 330 & 356 are available on request.

VC05

## Monitored, Table E, Cast Iron Flanged Fig F0111-200



<b>Design:</b>	OS&Y Gate Valve. Class 175 (350psi non-shock pressure)		
<b>End Connection:</b>	Flanged, Table D/E, AS2129		
<b>Body Materials:</b>	Cast Iron, ASTM A126 Class B		
<b>Wedge:</b>	EPDM encapsulated wedge, Resilient seated.		
<b>Temperature:</b>	Pressure temperature rating 1400/ 1600 kPa @ 70°C.		
<b>Approvals:</b>	UL/FM approved.		
<b>Application:</b>	For water, sewerage & neutral liquids. Bubble tight shut off. Suitable for fire protection and distribution services. Valves with supervisory switches are required eg fire distribution services.		
<b>Mon Devices:</b>	Class B - Potter - UL / FM - Standard		
<b>Options:</b>	Amtron Class A switch.		
Face to Face Dim	Part No.		Size NB (mm)
229	VG172-OSYE100ATS	i	100
267	VG172-OSYE150ATS	i	150
292	VG172-OSYE200ATS	i	200
330	VG172-OSYE250ATS	i	250
356	VG172-OSYE300ATS	i	300

Note: Supplied in kit form for assembly at site.

VC04

## Fig GVRC-1161



<b>Design:</b>	OS&Y Gate Valve		
<b>End Connection:</b>	Flanged, AS2129		
<b>Body Materials:</b>	Cast iron body with wedge, bronze seat		
<b>Temperature:</b>	Pressure temperature rating 1600 kPa at -10 to 120°C.		
<b>Approvals:</b>	Conforms to BS5150, MSS SP-70. Flange conforms to BS 4504 PN 16, ANSI 125 and drilled to Table E.		
<b>Application:</b>	Water, oil & gas		
Face to Face Dim	Part No.		Size NB (mm)
190	GVRC1161-065	i	65
203	GVRC1161-080	i	80
229	GVRC1161-100E		100
229	GVRC1161-100D		100
267	GVRC1161-150	i	150
292	GVRC1161-200		200
330	GVRC1161-250	i	250
356	GVRC1161-300	i	300

Note: Sizes 350-600 available on request.

**Fig 3228E**



<b>Design:</b>	Non-rising stem Gate Valve
<b>End Connection:</b>	Flanged, drilled Table E, AS2129
<b>Body Materials:</b>	Cast iron body, stainless steel stem, fusion bonded epoxy coated.
<b>Wedge:</b>	Resilient wedge - EPDM encapsulated.
<b>Temperature:</b>	16 bar pressure rated at -10° to 120° C.
<b>Approvals:</b>	Designed and tested to BS5163.
<b>Options:</b>	Spindle cap option available
<b>Application:</b>	For water, sewerage and neutral liquids.

Face to Face Dim	Part No.		Size NB (mm)
190	GVNR-RW-1161-65	i	65
203	GVNR-RW-1161-80		80
229	GVNR-RW-1161-100	i	100
267	GVNR-RW-1161-150		150
292	GVNR-RW-1161-200	i	200
330	GVNR-RW-1161-250	i	250
356	GVNR-RW-1161-300	i	300

VC05

**Cast Iron Flanged  
Fig F0111-200**



<b>Design:</b>	OS&Y Gate Valve. Class 175 (350psi non-shock test pressure)
<b>End Connection:</b>	Flanged, Table D/E, AS2129
<b>Body Materials:</b>	Ductile Iron A53665-45-12
<b>Wedge:</b>	EPDM encapsulated wedge, Resilient seated.
<b>Temperature:</b>	Pressure temperature rating 1400/ 1600 kPa @ 0.6°C to 52°C.
<b>Approvals:</b>	UL/FM approved.
<b>Application:</b>	For water, sewerage & neutral liquids. Bubble tight shut off. Suitable for fire protection and distribution services.

Face to Face Dim	Part No.		Size NB (mm)
190	VG172-OSY-E65		65
203	VG172-OSY-E80		80
229	VG172-OSY-D100		100
229	VG172-OSY-E100		100
267	VG172-OSY-E150		150
292	VG172-OSY-E200		200
330	VG172-OSY-E250		250
356	VG172-OSY-E300	i	300

**Stainless / Cast Steel  
OS&Y**



<b>Design:</b>	To API 603 / ASME B1634
<b>End Connection:</b>	Flanged to ANSI 150LB or un-drilled (50-300mm)
<b>Body Materials:</b>	Stainless steel
<b>Pressure:</b>	285 psi for water, oil & gas & corrosive fluids
<b>Options:</b>	Un-drilled valves 50-100mm available

Size NB (mm)	Part No.	
65	VGA-150-065	i
80	VGA-150-080	i
100	VGA-150-100	i
150	VGA-150-150	i
200	VGA-150-200	i
250	VGA-150-250	i
300	VGA-150-300	i

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## Post Indicator Flanged Fig F0211-200



<b>Design:</b>	Design and dimensions to AWWA C509.
<b>End Connection:</b>	Flanged Table E AS2129 or ANSI 125
<b>Body Materials:</b>	Cast iron body, ASTM A126 CL. B
<b>Wedge:</b>	Resilient seated wedge, EPDM encapsulated
<b>Pressure:</b>	Maximum working pressure 1,400 kPa @ 70°C.
<b>Approvals:</b>	UL/FM Approved
<b>Options:</b>	Other flanges available on request.
<b>Application:</b>	Fire protection and distribution services, water, sewerage & neutral liquids.

Face to Face Dim	Part No.	Size NB (mm)
190	VF-GVNR-RW-065E	i 65
203	VF-GVNR-RW-080E	i 80
229	VF-GVNR-RW-100E	i 100
267	VF-GVNR-RW-150E	i 150
292	VF-GVNR-RW-200E	i 200
330	VF-GVNR-RW-250E	i 250
356	VF-GVNR-RW-300E	i 300
	VF-PI	i 65-300 post

Lead time 16 to 20 weeks approx.

VC02

## Sluice Fig 57/40



<b>Design:</b>	Spindle cap operated and clockwise closing. Bubble tight shut off.
<b>End Connection:</b>	Flanged Table D, AS2129
<b>Body Materials:</b>	Ductile Iron Flange, FBE coated body
<b>Wedge:</b>	EPDM encapsulated wedge, Resilient seated to AS 2638.2
<b>Temperature:</b>	Pressure temperature. Rating 1,600 kPa at 70°C.
<b>Approvals:</b>	Certified to AS2638.2
<b>Options:</b>	Hand wheel and anti clock closing
<b>Application:</b>	Fabricated T handle valve key used to open spindle cap operated sluice valves that are installed in points in the ground. These keys can be fabricated to customer requirements if required

Face to Face Dim	Part No.	Size NB (mm)
203	V57SV-80	i 80
229	V57SV-100	100
267	V57SV-150	150
292	V57SV-200	i 200
330	V57SV-250	i 250
356	V57SV-300	i 300
<b>T Handle Valve Key</b>		
-	FKG-VK	-

Hand wheels and T handle sold separately

<b>Application:</b>	Suit AS2638.2 sluice/gate valve
---------------------	---------------------------------

Part No.	Description
<b>Hand Wheel - Ductile Iron</b>	
V57SVHW-100	80mm & 100mm
V57SVHW-150	i 150mm
V57SVHW-200	i 200mm
V57SVHW-300	i 250mm & 300mm

VC01

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## Hand Wheels and Gaskets for AS2638.2 Sluice/Gate Valves



## Knife Gate Valve



Full SS 316 Body  
Lugged Table D



Cast Iron Body  
Lugged Table D

<b>Design:</b>	Knife Gate Valves are available in either full stainless steel 316 lugged, or cast iron body wafer/lugged.
<b>End Connection:</b>	Lugged Table D and wafer options
<b>Body Materials:</b>	SS316 or Cast Iron
<b>Knife:</b>	SS 316
<b>Pressure:</b>	Rated to 10 bar (1,000 kpa)
<b>Options:</b>	SS Valve - Metal Seat CI Valve - EPDM Seat
<b>Application:</b>	Water, slurry, sewerage etc

Size (mm)	Stainless Steel Lugged T/D	Cast Iron Body Wafer or Semi Lugged T/D	
	Part No.	Part No.	
80	VKG-080-SS	VKG-080	i
100	VKG-100-SS	VKG-100	
150	VKG-150-SS	VKG-150	i
200	VKG-200-SS	VKG-200	
250	VKG-250-SS	VKG-250	i
300	VKG-300-SS	VKG-300	i

Note: Sizes up to 600mm available on request. Cylinders, electric actuators available on request.  
SS304 valves also available.  
SS316 valves - optional seat in Viton available.

VC05

## Valve Wheel Spanner - Open / Close Valves



<b>Design:</b>	User friendly, safe non-slip design. OHS tool. Safe & efficient with positive wheel engagement.
<b>Body Materials:</b>	Heavy duty toughened steel, fully seal welded
<b>Application:</b>	Used to open / shut Gate & Globe valves & valves with hand wheels

Size	Valve Range (inch)	Part No.	
small	1 to 2	4G4192	i
medium	2 to 6	4G4193	i
large	8 to 20	4G4194	i

Refer to page 126 for:

VS01

1. Locking Devices
2. Anti-Tamper Switches
3. Chain Wheel Assemblies

## Wafer Valves



<b>Design:</b>	Wafer butterfly valve, lever or gear operated
<b>End Connection:</b>	Wafer fits table E & ANSI 150/125
<b>Body Materials:</b>	Cast Iron body
<b>Seats &amp; Trim:</b>	SS 316 trim, EPDM seat
<b>Application:</b>	Suitable for water, process systems etc.

Face to Face Dim	Part No.	Size NB (mm)	Cold WP (kPa)	
<b>with Lever Handle</b>				
43	VBF-IBFW050	50	1,600	
46	VBF-IBFW065	65	1,600	
46	VBF-IBFW080	80	1,600	
52	VBF-IBFW100	100	1,600	
56	VBF-IBFW125	125	1,600	
56	VBF-IBFW150	150	1,600	
60	VBF-IBFW200	200	1,600	
68	VBF-IBFW250*	250	1,600	
78	VBF-IBFW300*	300	1,600	
78	VBF-IBFW350*	i	350	1,000
84	VBF-IBFW400*	i	400	1,000
103	VBF-IBFW450*	i	450	1,000
127	VBF-IBFW500*	i	500	1,000
150	VBF-IBFW600*	i	600	1,000

\*Gear Operator is standard 250mm - 600mm EPDM standard (no options).

**Note:** 50mm - 300mm EPDM standard (nitrile, viton & PTFE options available).

VF06

Face to Face Dim	Part No.	Size NB (mm)	
<b>STD - Lugged Table E</b>			
43	LSSE050H	i	50
46	LSSE065H	i	65
46	LSSE080H		80
52	LSSE100H		100
56	LSSE125H	i	125
56	LSSE150H		150
60	LSSE200H	i	200
68	LSSE250H*	i	250
78	LSSE300H*	i	300

Also available in 350mm - 600mm & ANSI 150.  
250NB & 300NB are gear box operated.

VF05

Cast Iron "Water Mark"  
Lugged Wafer Valves

<b>Design:</b>	Butterfly valve, lever or gear operated
<b>End Connection:</b>	Lugged to Table E
<b>Body Materials:</b>	Cast iron body
<b>Seats &amp; Trim:</b>	SS 316 trim, EPDM seat
<b>Approvals:</b>	Australian Water Marked PN16
<b>Options:</b>	Lugged table E with gear box.

Face to Face Dim	Part No.	Size NB (mm)	
<b>Lugged (Lever Operated)</b>			
43	VBF-IBFL0050	50	
46	VBF-IBFL0065	65	
46	VBF-IBFL0080	80	
52	VBF-IBFL0100	100	
56	VBF-IBFL0125	i	125
58	VBF-IBFL0150		150
60	WDSE200H	i	200
68	WDSE250H	i	250
78	WDSE300H	i	300
<b>Lugged (Gear Operated)</b>			
46	VBFLW-80-GEAR	i	80
52	VBF-IBFL100		100
56	WSSE125G	i	125
58	VBF-IBFL150	i	150
60	VBF-IBFL0200	i	200
68	VBF-IBFL0250		250
78	VBFLW-300-GEAR	i	300

VF05

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## Wafer Actuated Pneumatic



<b>Design:</b>	Wafer type ISO 5211. Direct mounted, Namur solenoids 5/2
<b>End Connection:</b>	Wafer Table E standard. Lugged to Table E optional
<b>Actuator:</b>	Double acting and spring return
<b>Pressure:</b>	Minimum external air pressure 5.5 bar
<b>Options:</b>	Limit switch box, Namur solenoids and positioners
<b>Application:</b>	Most fluid applications and air or gas where compatible with valve, body and trim. Note: For dry applications contact your nearest Dixon branch.

Part No.		Size NB (mm)
<b>Double Acting</b>		
VBF-IBFW050-DA		50
VBF-IBFW065-DA		65
VBF-IBFW080-DA		80
VBF-IBFW100-DA		100
VBF-IBFW125-DA	i	125
VBF-IBFW150-DA		150
VBF-IBFW200-DA	i	200
VBF-IBFW250-DA	i	250
VBF-IBFW300-DA	i	300
<b>Spring Return</b>		
VBF-IBFW050-SR	i	50
VBF-IBFW065-SR	i	65
VBF-IBFW080-SR		80
VBF-IBFW100-SR		100
VBF-IBFW125-SR	i	125
VBF-IBFW150-SR	i	150
VBF-IBFW200-SR	i	200
VBF-IBFW250-SR	i	250
VBF-IBFW300-SR	i	300

VF07

## Electric Actuated



<b>Design:</b>	Wafer type
<b>End Connection:</b>	Wafer Table E standard, Lugged to Table E optional.
<b>Body Materials:</b>	Cast Iron, SS Trim, EPDM Seat
<b>Actuator:</b>	240V AC, 24V AC/DC
<b>Application:</b>	Can also be supplied for regulating with a 4-20Ma modulating controller. Not suitable for dry applications. Open/Shut only.

Part No.		Size NB (mm)
VBF-IBFW050-EA	i	50
VBF-IBFW065-EA	i	65
VBF-IBFW080-EA	i	80
VBF-IBFW100-EA	i	100
VBF-IBFW125-EA	i	125
VBF-IBFW150-EA	i	150
VBF-IBFW200-EA	i	200
VBF-IBFW250-EA	i	250
VBF-IBFW300-EA	i	300

Standard unit is 240V AC. 24V AC/DC on request.

VF07

**VALVES**  
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## Monitored Wafer Fig DW



<b>Design:</b>	Gear operated monitored butterfly valve
<b>End Connection:</b>	Fits between ANSI 125 and Table E Flanges.
<b>Body Materials:</b>	Ductile iron body, A1 bronze disc, nickel chrome plated
<b>Seats &amp; Trim:</b>	EPDM Encapsulated
<b>Pressure:</b>	175psi
<b>Application:</b>	Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Suitable for fire protection and distribution systems

Face to Face Dim	Part No.	Size NB (mm)
46	VFBFW-76-GEAR	i 65
46	VFBFW-88-GEAR	i 80
52	VFBFW-114-GEAR	100
56	VFBFW-165-GEAR	150
60	VFBFW-219-GEAR	i 200

VB03

## Screwed BSP Bronze Monitored Fig BT



<b>Design:</b>	Gear operated monitored butterfly valve
<b>End Connection:</b>	Screwed BSP
<b>Body Materials:</b>	A1 bronze disc
<b>Seats &amp; Trim:</b>	EPDM encapsulated
<b>Pressure:</b>	Max 175psi at 0-120°C.
<b>Application:</b>	Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Fire protection and distribution systems.

Face to Face Dim	Part No.	Size NB (mm)
54	VGBBB-34-GEAR	25
67	VGBBB-43-GEAR	32
73	VGBBB-48-GEAR	i 40
82.4	VGBBB-60-GEAR	50

VB03

## Grooved Bronze Monitored Fig BG



<b>Design:</b>	Gear operated monitored butterfly valve
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	A1 bronze disc
<b>Seats &amp; Trim:</b>	EPDM encapsulated
<b>Pressure:</b>	Max 175psi at 0-120°C
<b>Application:</b>	Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Suitable for fire protection and distribution systems

Face to Face Dim	Part No.	Size NB (mm)
114	VGBBF-60-GEAR	50

VF01

## Grooved Mon Ductile Iron Fig HPG



<b>Design:</b>	Gear operated monitored butterfly valve
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	A1 bronze disc
<b>Seats &amp; Trim:</b>	EPDM encapsulated
<b>Pressure:</b>	Max 300psi at 0-120°C
<b>Application:</b>	Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Suitable for fire protection and distribution systems

Face to Face Dim	Part No.	Size NB (mm)
96.4	VGBFHP-76-GEAR	65
96.4	VGBFHP-88-GEAR	80
115.4	VGBFHP-114-GEAR	100
132.4	VGBFHP-165-GEAR	150
147.7	VGBFHP-200	200

VF02

## Grooved C/W Gear Operator Fig HGG



<b>Design:</b>	Gear operated butterfly valve
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	Ductile iron body and disc
<b>Seats &amp; Trim:</b>	EPDM encapsulated
<b>Temperature:</b>	Max 120°C
<b>Pressure:</b>	Max 2100kPa (300psi).
<b>Application:</b>	Water, air and neutral liquids

Face to Face Dim	Part No.	Size NB (mm)
115	VGBFNM-114-GEAR	100
145	VGBFNM-165-GEAR	150
148	VGBFHP-200-GOP	i 200
159	VGBFHP-250-GOP	i 250
159	VGBFHP-300-GOP	i 300

VF04

## Grooved C/W Lever & Notch Plate Fig HGL



<b>Design:</b>	Grooved lever operated butterfly valve
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	Ductile iron body and disc
<b>Seats &amp; Trim:</b>	EPDM encapsulated
<b>Temperature:</b>	Max 120°C
<b>Pressure:</b>	Max 2100kPa (300psi).
<b>Application:</b>	Water, air and neutral liquids

Face to Face Dim	Part No.	Size NB (mm)
85	VGBF-60-LEVER	50
96	VGBF-76-LEVER	65
96	VGBF-88-LEVER	80
115	VGBF-114-LEVER	100
145	VGBF-165-LEVER	150
148	VGBF-219-LEVER	200

VF04

## Wafer Uni Fig SDC



<b>Design:</b>	Single flap uni-check
<b>End Connection:</b>	Wafer Flanged Table E
<b>Body Materials:</b>	Cast iron body, FBE coated, stainless steel 316 disc and spring
<b>Seats &amp; Trim:</b>	EPDM seal c/w flange gasket.
<b>Temperature:</b>	-20° to 135°C
<b>Application:</b>	Water, air and neutral fluids

Face to Face Dim	Size (mm)	Part No.	WP (Kpa)
44.5	50	SC50MM	i 1600
47.6	65	SC65MM	i 1600
50.8	80	SC80MM	i 1600
57.2	100	SC100MM	1600
63.5	125	SC125MM	i 1600
69.9	150	SC150MM	1600
73	200	SC200MM	i 1600
79.4	250	SC250MM	i 1600
85.7	300	SC300MM	i 1600

## Duo Wafer Fig 1161



<b>Design:</b>	Double flap duo-check
<b>End Connection:</b>	Fits between Table E flanges. Suit Table E
<b>Body Materials:</b>	Cast iron body. SS disc and spring*.
<b>Seats &amp; Trim:</b>	EPDM seal
<b>Temperature:</b>	-10° to 120°C
<b>Application:</b>	Water, air and neutral fluids

Face to Face Dim	Size (mm)	Part No.	WP (kPa)
43	50	VWC-50E	1600
46	65	VWC-65E	1600
64	80	VWC-80E	1600
64	100	VWC-100E	1600
76	150	VWC-150E	1600
89	200	VWC-200E	1600
114	250	VWC-250E	1600
114	300	VWC-300E	i 1600
184	350	VWC-350E*	i 1000
191	400	VWC-400E*	i 1000
203	450	VWC-450E*	i 1000
219	500	VWC-500E*	i 1000
219	600	VWC-600E*	i 1000

Blue FBE coated body - 350NB-600NB.

\*Spring inc on SS316 disc.

VC08

## Duo Wafer Stainless Steel



<b>Design:</b>	To API 603 / ASME B1634
<b>End Connection:</b>	Wafer valve to fit between ANSI 150LB flanges
<b>Body Materials:</b>	Stainless steel
<b>Seats &amp; Trim:</b>	Viton seat
<b>Pressure:</b>	285 psi for water, oil & gas & corrosive fluids
<b>Options:</b>	Table E also available on request

Size NB (mm)	Part No.	
50	DUO316-050	i
65	DUO316-065	i
80	DUO316-080	i
100	DUO316-100	i
150	DUO316-150	i
200	DUO316-200	i
250	DUO316-250	i
300	DUO316-300	i

VS01

## Bronze Swing Check



<b>Design:</b>	Can be used in either vertical or horizontal pipelines.
<b>End Connection:</b>	Screwed female BSP
<b>Body Materials:</b>	Bronze
<b>Temperature:</b>	Max 99°C.
<b>Pressure:</b>	Max 2100 kPa Water, Oil & Gas.
<b>Application:</b>	General hydraulic, mechanical services and Fire Protection.

Part No.	Size (mm)
VC-4B-015	15
VC-4B-020	20
VC-4B-025	25
VC-4B-032	i 32
VC-4B-040	40
VC-4B-050	50
VC-4B-080	i 80
VC-4B-100	i 100

VB11

## Brass Swing Check



<b>Design:</b>	General Purpose
<b>End Connection:</b>	Screwed female BSP. DIN259 and BS2779
<b>Body Materials:</b>	Brass
<b>Application:</b>	For control of water, oil and gas in hose or pipe lines Irrigation, light industrial and rural applications. For other services, please contact Dixon.

Size (mm)	Part No.	Working Pressure	
		psi	MPa
15	BSCV012	170	1.2
20	BSCV020	170	1.2
25	BSCV025	170	1.2
32	BSCV032	140	1
40	BSCV040	140	1
50	BSCV050	140	1
65	BSCV065	110	0.8
80	BSCV075	110	0.8
100	BSCV100	110	0.8

VB02

## Stainless Steel Swing Check



<b>End Connection:</b>	Screwed female BSP
<b>Body Materials:</b>	Stainless steel
<b>Pressure:</b>	200psi
<b>Temperature:</b>	-20 to 232°C for water, oil & gas & corrosive fluids.

Size NB (mm)	Part No.
15	SSC-015 i
20	SSC-020 i
25	SSC-025 i
32	SSC-032 i
40	SSC-040 i
50	SSC-050 i

VS01

## Cast Iron Flanged Ball Check



<b>Design:</b>	Flanged ball check valve
<b>End Connection:</b>	Flanged Table D, rated to PN16
<b>Body Materials:</b>	Cast iron, FBE coated Aluminium ball with EPDM rubber lined
<b>Temperature:</b>	-10° to 110°C
<b>Application:</b>	Water & sewerage, and some slurry applications
<b>Options:</b>	Ductile iron body available on request

Face to Face Dim	Size (mm)	Part No.	
200	50	BCK-050D	i
240	65	BCK-065D	i
260	80	BCK-080D	
300	100	BCK-100D	
300	100	BCK-100E	i
400	150	BCK-150D	i
500	200	BCK-200D	i
600	250	BCK-250D	i
700	300	BCK-300D	i

VC08

## Cast Iron Swing Flanged Fig CVF-1161



<b>Design:</b>	Offers positive seating for resistance against back pressure or back flow
<b>End Connection:</b>	Flanged Table D or E
<b>Body Materials:</b>	Cast iron flanged, cast iron disc
<b>Seats &amp; Trim:</b>	Metal seated
<b>Temperature:</b>	1,600 kPa @ -10 to 120°C
<b>Application:</b>	For water, sewerage and neutral liquids

Face to Face Dim	Size (mm)	Part No.	
240	80	CVF-1161-080	
292	100	CVF-1161-100E	
356	150	CVF-1161-150E	
495	200	CVF-1161-200E	
622	250	CVF-1161-250E	i
699	300	CVF-1161-300E	i

VC06

## VALVES

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## Stainless Steel Swing Flanged Check



<b>Design:</b>	To API 603 / ASME B1634
<b>End Connection:</b>	Flanged to ANSI 150LB or Un-drilled (50-250mm)
<b>Body Materials:</b>	Stainless Steel
<b>Pressure:</b>	285 psi for water, oil & gas & corrosive fluids
<b>Options:</b>	ANSI 300LB also available

Size NB (mm)	Part No.	
65	VSC-150-065	i
80	VSC-150-080	i
100	VSC-150-100	i
150	VSC-150-150	i
200	VSC-150-200	i
250	VSC-150-250	i

VS01

## Grooved Swing



<b>Design:</b>	Compact style check valve
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	Ductile Iron to ASTM A-536 Grade 65-45-12 304SS disc
<b>Seat &amp; Ring:</b>	304 Stainless Steel to ASTM A-123, ASTM A-213, ASTM A-312 or ASTM A-269 Resilient seated EPDM 'O' ring.
<b>Pressure:</b>	Max working pressure 2,100 kPa @ 70°C
<b>Approvals:</b>	UL/FM approved.
<b>Application:</b>	For water, dilute acids, alkalis, oil-free air & many chemical services in vertical and horizontal positions. Not for use in petroleum services.

Face to Face Dim	Size (mm)	Part No.	Pipe OD (mm)
171.5	50	VGSCV-60	60.3
230.0	65	VGSCV-76	76.1
231.0	80	VGSCV-88	88.9
245.0	100	VGSCV-114	114.3
292.0	150	VGSCV-165	165.1
356.0	200	VGSCV-219	219.1

VC06

## Alarm - Grooved Ends



<b>Design:</b>	Model J ductile iron body . Can be mounted in both vertical & horizontal positions.
<b>End Connection:</b>	Grooved
<b>Body Materials:</b>	Ductile iron
<b>Pressure:</b>	250 psi
<b>Options:</b>	Also available in Flange/Flanged, Flange/Groove Ends.
<b>Application:</b>	For water, dilute acids, alkalis, oil-free air & many chemical services in vertical and horizontal positions. Not for use in petroleum services.

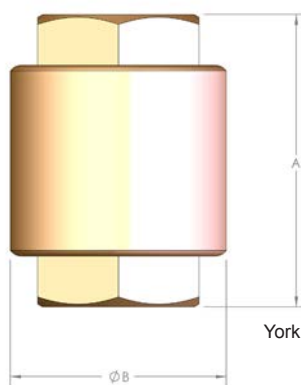
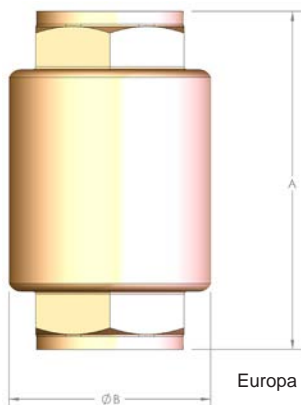
Size (mm)	Part No.	Pipe OD (mm)
80	VAVG-88      i	88.9
100	VAVG-114	114.3
150	VAVG-165	165.1
200	VAVG-219      i	219.1

VC07

**VALVES**  
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## Brass Inline



<b>Design:</b>	Spring Check valve. Full bore
<b>End Connection:</b>	Screwed female BSP conforming to ISO228 (equivalent to DIN259 & BS2779)
<b>Body Materials:</b>	Brass CW 617N, stainless steel spring AISI 302 Nitrile butadiene rubber seal
<b>Temperature:</b>	Air: -20°C to 110°C; Water: -0°C to 90°C; Gas: -20° to 60°C
<b>Application:</b>	Suitable for industrial, pneumatic and hydraulic installations. Ideal for use with hot or cold water, oils or compressed air. Can be installed in vertical, horizontal or oblique positions.

Size		Part No.	Working Pressure		Dimensions	
mm	inch		psi	MPa	A (mm)	B (mm)
<b>Europa Brass Stem</b>						
15	½	BECV012	360	2.5	58.5	34.5
20	¾	BECV020	360	2.5	65	41.5
25	1	BECV025	360	2.5	74.5	48
32	1¼	BECV032	260	1.8	83	60.5
40	1½	BECV040	260	1.8	93	71
50	2	BECV050	260	1.8	101	87
65	2½	BECV065	170	1.2	122	120
80	3	BECV075	170	1.2	141.5	140.5
100	4	BECV100	170	1.2	158.8	172.5
<b>York® Plastic Stem</b>						
10	¾	BYCV010	170	1.2	46.5	34.5
15	½	BYCV012	170	1.2	47	34.5
20	¾	BYCV020	170	1.2	53	42
25	1	BYCV025	170	1.2	60.5	47.5
32	1¼	BYCV032	140	1	66.5	59.5
40	1½	BYCV040	140	1	74	71
50	2	BYCV050	140	1	80	86.5
65	2½	BYCV065	110	0.8	98	102
80	3	BYCV075	110	0.8	103	125
100	4	BYCV100	i	110	118.5	155

VB02

3 Piece Inline  
Stainless Steel

<b>Design:</b>	Spring loaded inline check
<b>End Connection:</b>	Screwed Female BSP
<b>Body Materials:</b>	SS 316
<b>Seats &amp; Trim:</b>	PTFE seats. 316 disc and spring.
<b>Application:</b>	Water, oil, gas and chemicals.

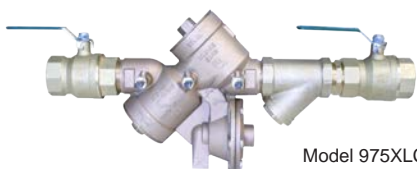
Size (mm)	Part No.	
15	SS3P015-SCV	i
20	SS3P020-SCV	i
25	SS3P025-SCV	
32	SS3P032-SCV	i
40	SS3P040-SCV	
50	SS3P050-SCV	

VS01

VALVES

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## Reduced Pressure Zone Devices c/w Isolation Valve & Strainer



Model 975XLC



<b>Application:</b>	Backflow prevention
<b>Style:</b>	Reduced pressure zone (complete unit)
<b>End Connection:</b>	Screwed Female BSP
<b>Standards:</b>	Complies with AS/NZS 2485.1 Standards Mark Licence 1379

Size (mm)	Part No.	RPZ (complete unit)
15	RPZ-015-W	i 15-975XLC
20	RPZ-020-W	i 20-375XLC
25	RPZ-025-W	i 25-375XLC
32	RPZ-032-W	i 32-375XLC
40	RPZ-040-W	i 40-375XLC
50	RPZ-050-W	i 50-375XLC
65	PPZ065-W	i 65-375XLC

## Reduced Pressure Zone Devices Only



*Also available in roll grooved!*

<b>Application:</b>	Backflow prevention
<b>Style:</b>	Reduced pressure zone (device only)
<b>End Connection:</b>	Flanged Table E or Roll Grooved
<b>Standards:</b>	Complies with AS/NZS 2485.1 Standards Mark Licence 1379

Face to Face Dim	Size (mm)	Part No.
403	80	RPZ-080-WDO i
535	100	RPZ-100-WDO i
675	150	RPZ-150-WDO i
959	200	RPZ-200-WDO i
959	250	RPZ-250-WDO i
-	300	RPZ-300-WDO i

## Double Check Valve Device c/w Isolation Valve & Strainer



Model 350XLC

<b>Application:</b>	Backflow prevention
<b>Style:</b>	Double Check Valve (complete unit)
<b>End Connection:</b>	Screwed Female BSP
<b>Standards:</b>	Complies with AS/NZS 2485.1 Standards Mark Licence 1379

Size (mm)	Part No.	DCV (complete unit)
20	DCV-020-W	20-350XLC
25	DCV-025-W	25-350XLC
32	DCV-032-W	i 32-350XLC
40	DCV-040-W	i 40-350XLC
50	DCV-050-W	50-350XLC

## Double Check Valve Device c/w Isolation Valve without Strainer



Model 350XLS

<b>Application:</b>	Backflow prevention
<b>Style:</b>	Double Check Valve (less strainer)
<b>End Connection:</b>	Screwed Female BSP
<b>Standards:</b>	Complies with AS/NZS 2485.1 Standards Mark Licence 1379

Size (mm)	Part No.	DCV (less strainer)
20	DCV-020-WY	i 20-350XLS
25	DCV-025-WY	i 25-350XLS
32	DCV-032-WY	i 32-350XLS
40	DCV-040-WY	i 40-350XLS
50	DCV-050-WY	i 50-350XLS

## Water “Bar Meter”



<b>Design:</b>	Multi-jet meter with pulse output. All meters supplied with 10 Litre pulse
<b>End Connection:</b>	Female unions
<b>Body Materials:</b>	Brass body, with nuts & tails
<b>Pressure:</b>	Standard rating is 1,000kPa
<b>Application:</b>	Water measurement

Size		Part No.		Capsule Pulse
inch	mm			
¾	20	MT-KD-20-P2	i	1 Litre or 10 Litre
1	25	MT-KD-25-P2	i	1 Litre or 10 Litre
1½	40	MT-KD-40-P2	i	10 Litre
2	50	MT-KD-50-P2	i	10 Litre

## Water Meter Turbo Bar with Multi-Pulse Register



<b>Design:</b>	All meters supplied with a capsule that can accept up to 3 Pulses
<b>End Connection:</b>	Flanged Table D standard
<b>Body Materials:</b>	Cast Iron
<b>Pressure:</b>	Rated to 16 Bar ( 1600kPa )
<b>Options:</b>	Sizes up to 20" ( 500mm ) available on request.
<b>Application:</b>	Water measurement

Size		Part No.		Capsule Pulse
inch	mm			
2	50	WPH-50-1	i	1L, 100L, 1000L
2½	65	WPH-65-1	i	1L, 100L, 1000L
3	80	WPH-80-1		1L, 100L, 1000L
4	100	WPH-100-1	i	1L, 100L, 1000L
6	150	WPH-150-1	i	10L,1000L,10M3

VO03

## Double Check Valve (device only)



*Also available in roll grooved!*



Application:	Backflow prevention
Style:	Double Check Valve (device only)
End Connection:	Flanged Table E or Roll Grooved
Standards:	Complies with AS/NZS 2485.1 Standards Mark Licence 1379

Face to Face Dim	Size (mm)	Part No.	
403	65	DCV-065WDO	i
403	80	DCV-080WDO	i
535	100	DCV-100WDO	
675	150	DCV-150WDO	i

VO03

Face to Face Dim	Size (mm)	Part No.	
Roll Grooved			
505	100	VBF-850-DC-100E	
657	150	VBF-856-DC-150	

VO02

## Double Detector Check Valve with 20mm Bypass - Flanged (device only)



Application:	Backflow prevention
Style:	Double Detector Check Valve TE 20mm bypass
End Connection:	Flanged Table E

Face to Face Dim	Size (mm)	Part No.		DDCV TE
403	65	DDCV-65X20	i	65-950DA20
403	80	DDCV-80X20	i	80-950DA20
535	100	DDCV-100X20		100-950DA20
675	150	DDCV-150X20		150-950DA20

## Double Detector Check Valve with 25mm Bypass - Flanged (device only)



Application:	Backflow prevention
Style:	Double Detector Check Valve TE 25mm bypass
End Connection:	Flanged Table E

Face to Face Dim	Size (mm)	Part No.		DDCV TE
403	65 x 25	DDCV-65X25	i	65-950DA25
403	80 x 25	DDCV-80X25	i	80-950DA25
535	100 x 25	DDCV-100X25	i	100-1950DA25
675	150 x 25	DDCV-150X25		150-950DA25

**VALVES**  
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# Back Flow Prevention Units

## Single Check Valves Approved & Tested - Flanged & Grooved



Flanged



Grooved



<b>Application:</b>	Fire sprinkler systems & potable water to prevent back siphonage.
<b>Design:</b>	Single testable detector check valve approved.
<b>End Connection:</b>	Flanged - ANSI B16.1 Class 125 & drilled to AS2129 table D & E. Grooved - to AWWA C606
<b>Material:</b>	Body - Ductile Iron Stem - Stainless Steel EPDM elastomers & FBE coated
<b>Approvals:</b>	AS 4020, AS Standards Mark certified, Watermarked & UL/FM approved.
<b>Working Pressure:</b>	175psi
<b>Temperature:</b>	60°C

Face to Face Dim	Size (mm)	Part No.	TE Fire Line SCV
420	100	SCV-100	Flanged TE
420	100	SCV-100G	Grooved
570	150	SCV-150	Flanged TE
570	150	SCV-150G	Grooved

VO03

## Single Detector Check Valve with 20mm Spacer Bypass



<b>Application:</b>	Backflow prevention
<b>Style:</b>	Single Detector Check Valve 20mm spacer bypass
<b>End Connection:</b>	Flanged Table E

Face to Face Dim	Size (mm)	Part No.	T/E SFL SDC
420	100 x 25	SCV-100X25CW	SE100 - 310 DAL
570	150 x 25	SCV-150X25CW	SE150 - 310 DAL

## Yarra Valley Single Fireline Detector Check Valve with Metered Bypass



<b>Application:</b>	Backflow prevention
<b>Style:</b>	Single Fireline Detector Check Valve metered bypass
<b>End Connection:</b>	Flanged Table E

Face to Face Dim	Size (mm)	Part No.
420	100 x 25	SCV-100X25YV
570	150 x 25	SCV-150X25YV

VO03

## Mining Brass Water Valve (Bendigo Valve)

**minsup**



<b>End Connection:</b>	½" BSP Male
<b>Body Materials:</b>	Brass
<b>Application:</b>	Mine Water Valves, or Bendigo Taps, protect air leg rock drills from dirty mine water utilising a filter mesh to ensure tools are protected from foreign matter.
<b>Features:</b>	A forged body.

Size	Part No.
½" (15mm) Male/Male	05/062/01/000

AR01

## 3 Way Fig BH-8



<b>Design:</b>	3 Way
<b>End Connection:</b>	Female BSP
<b>Body Materials:</b>	Bronze body
<b>Seats &amp; Trim:</b>	Bronze
<b>Pressure:</b>	200psi
<b>Application:</b>	Water, oil and neutral liquids.

Size (mm)	Part No.
8	VGB3-8

VB09

## Heavy Duty Steam



<b>Design:</b>	Heavy duty steam globe valve
<b>End Connection:</b>	Screwed female BSP.
<b>Body Materials:</b>	Bronze
<b>Seats &amp; Trim:</b>	SS 316 seat, SS disc, Cast Iron
<b>Pressure:</b>	Cwp 4000kPa. Steam at 1750 kPa
<b>Temperature:</b>	Maximum 225°C
<b>Application:</b>	Steam, water, oil

Size (mm)	Part No.
15	VGL-501-015
20	VGL-501-020
25	VGL-501-025
32	VGL-501-032
40	VGL-501-040
50	VGL-501-050

VB09

**VALVES**  
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## Stainless Steel Screwed



<b>Design:</b>	Adjustable packing& CI hand wheel
<b>End Connection:</b>	Screwed female BSP
<b>Body Materials:</b>	Stainless Steel
<b>Seats &amp; Trim:</b>	Integral seat
<b>Pressure:</b>	200psi
<b>Temperature:</b>	-20 to 232°C for water, oil & gas & corrosive fluids

Size (mm)	Part No.	
15	SGLV-015	i
20	SGLV-020	i
25	SGLV-025	i
32	SGLV-032	i
40	SGLV-040	i
50	SGLV-050	i

VS01

## Stainless Steel Flanged OS&Y



<b>Design:</b>	User friendly. Safe non-slip design. OHS tool
<b>Body Materials:</b>	Heavy duty toughened stainless & cast steel. Fully seal welded.
<b>Pressure:</b>	285psi for water, oil & gas & corrosive fluids
<b>Options:</b>	ANSI 300LB also available

Size (mm)	Part No.	
65	VGL-150-065	i
80	VGL-150-080	i
100	VGL-150-100	i
150	VGL-150-150	i
200	VGL-150-200	i

VS01

## Flanged & Grooved Bermad



<b>Design:</b>	400 Series. Flange drilling to specification. Configurations available include solenoid, pressure reducing, pressure sustaining, quick relief, float valve and flow control.
<b>End Connection:</b>	Table E flanged and grooved
<b>Body Materials:</b>	Cast iron body
<b>Pressure:</b>	PN 16
<b>Approvals:</b>	UL/FM approval available on request.

Face to Face Dim	Size		Part No.	
	inch	mm		
<b>PRV Flanged</b>				
205	2	50	FFS-PRV420-60E	i
205	2½	65	FFS-PRV420-76E	i
250	3	80	FFS-PRV420-88E	i
320	4	100	FFS-PRV420-114E	i
415	6	150	FFS-PRV420-165E	i
500	8	200	FFS-PRV420-200E	i
605	10	250	FFS-PRV420-250E	i
724	12	300	FFS-PRV420-300E	i
<b>PRV Grooved</b>				
205	2	50	FFS-PRV420-60	i
250	3	80	FFS-PRV420-88	i
320	4	100	FFS-PRV420-114	
415	6	150*	FFS-PRV420-165	i

VO03

## Pressure Reducing Valve Fig NR3 In Line Adjustable



<b>Design:</b>	For potable water lines to reduce high inlet pressure to lower outlet pressure. Factory set to 50 psi (350kpa)
<b>End Connection:</b>	Screwed male BSP
<b>Body Materials:</b>	Bronze body
<b>Max Working Pressure:</b>	½" to 1¼" - 400 psi 1½" to 2" - 300 psi
<b>Adj Range:</b>	½" to 2" - 105 to 525 kpa

Size BSP		Part No.	
inch	mm		
½	15	BR4-015	i
¾	20	BR4-020	
1	25	BR4-025	
1¼	32	BR4-032	i
1½	40	BR4-040	i
2	50	BR4-050	i

VB10

**VALVES**  
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## Stainless Steel Needle Valve



<b>Design:</b>	High pressure bar stock needle valve		
<b>End Connection:</b>	Threaded female BSP or NPT		
<b>Materials:</b>	Stainless steel body & seat		
<b>Pressure:</b>	6000psi for water, oil, gas, steam & corrosive fluids		
<b>Size (mm)</b>	<b>Part No.</b>		
8	VNE-008		i
10	VNE-010		i
15	VNE-015		i
20	VNE-020		i
25	VNE-025		i

VS01

## Ball Float Tank Fill Valve



<b>Design:</b>	Fig SRI. Complete with copper or plastic float.		
<b>End Connection:</b>	Screwed BSP		
<b>Body Materials:</b>	Bronze body		
<b>Application:</b>	Auto fill valve for water tanks. Commonly used in fire services.		

Size (mm)	Part No.		Float Type
25	FFS-BFTV-25		Copper
50	FFS-BFTV-50	i	Copper
80	FFS-BFTV-80	i	Copper
100	FFS-BFTV-100	i	Copper

VB10

## Relief Valve with Side Outlet - Fig PREL



<b>Design:</b>	This relief valve has a closed side outlet with right angle discharge. The outlet is female threaded and of the same size as the inlet.		
<b>End Connection:</b>	BSP Male		
<b>Body Materials:</b>	Bronze		
<b>Seats &amp; Trim:</b>	SS304		
<b>Temperature:</b>	Max operating temperature -45°C to 185°C		
<b>Options:</b>	Full SS 316 body available on request. to handle higher pressure up to 300psi.		
<b>Application:</b>	Suitable for discharge of steam, water, oil, air and liquids non-injurious to copper alloys.		

Size (mm)	Part No.		Standard Setting
15	VR-268-15	i	145psi (1000 kPa)
20	VR-268-20		145psi (1000 kPa)
25	VR-268-25		145psi (1000 kPa)
32	VR-268-32	i	145psi (1000 kPa)
40	VR-268-40	i	145psi (1000 kPa)
50	VR-268-50	i	145psi (1000 kPa)

For settings other than standard, contact Dixon.

VB10

## Stainless Steel Relief Valve



<b>Design:</b>	Right angle relief valve, field adjustable.		
<b>End Connection:</b>	Threaded female BSP		
<b>Materials:</b>	Stainless steel body & seat		
<b>Pressure:</b>	Field adjustable from 300 to 1000kPa		
<b>Temperature:</b>	-20 to 290°C		
<b>Application:</b>	Water, oil, gas, steam & corrosive fluids		

Size (mm)	Part No.		
15	SRV-015		i
20	SRV-020		i
25	SRV-025		i
32	SRV-032		i
40	SRV-040		i
50	SRV-050		i

VS01

## Test and Drain Valve - Fig BH-6

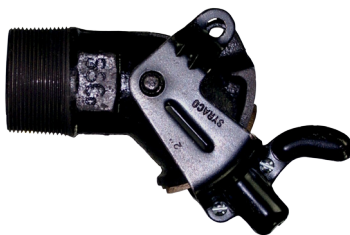


<b>Design:</b>	Tamper resistant sight glass Quarter turn handle from test to drain
<b>End Connection:</b>	2" BSP Male x Female
<b>Body Materials:</b>	Brass body
<b>Pressure:</b>	Working pressure 300psi, tested to 400psi
<b>Application:</b>	To test water flow through sprinkler systems and system drain points

Size (mm)	Part No.	Working Pressure	
		psi	MPa
50	V50TD	300	2.0

VB10

## Drum Gate Valve



<b>Design:</b>	Manually operated gate valve. Black Japanned finish.
<b>End Connection:</b>	Male NPT Thread
<b>Body Materials:</b>	Malleable Iron
<b>Pressure:</b>	Suitable only for fluid head pressure in drum.
<b>Application:</b>	For drawing non-flammable liquids from drums and tanks.

NPT Size (mm)	Part No.	
20	D71	i
50	D75	

AU02

## Brass Solenoid Valve - Fig B35



<b>End Connection:</b>	BSP Female
<b>Body Materials:</b>	Brass, differential NC & NO
<b>Application:</b>	Air & fluid

Size (mm)	Part No.	Type
Normally Closed		
15	VSOL-15	24 Volt DC
15	VSOL-15-M0	i 24 Volt DC c/w manual override
20	VSOL-20	i 24 Volt
15	VSOL-8615-NC	24 Volt AC
25	VSOL-8616-NC	24 Volt AC
40	VSOL-8618-NC	24 Volt AC
Normally Open		
20	VSOL-8715-NO	i 24 Volt AC
25	VSOL-8716-NO	i 24 Volt AC
40	VSOL-8718-NO	i 24 Volt AC

VB10

**VALVES**  
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## Cast Iron Y Strainer Fig YS



<b>Design:</b>	Provides an economical, compact and hydraulically efficient means of protecting valuable piping system components.
<b>End Connection:</b>	Flanged Table E
<b>Body Materials:</b>	Cast iron. SS 316 mesh.
<b>Pressure:</b>	1,600 kpa.
<b>Temperature:</b>	-10°C to 100°C
<b>Application:</b>	Water, oil and gas. Also fire protection.

Face to Face Dim	Size (mm)	Part No.	
290	65	VYS-065-E	
310	80	VYS-080-E	i
350	100	VYS-100-E	
400	125	VYS-125-E	i
480	150	VYS-150-E	
600	200	VYS-200-E	i
730	250	VYS-250-E	i
762	300	VYS-300-E	i

VC05

## Brass



<b>Design:</b>	Provides an economical, compact and hydraulically efficient means of protecting valuable piping system components
<b>End Connection:</b>	Female x Female BSP ends. ISO228 (equivalent to DIN259 and BS2779)
<b>Body Materials:</b>	Cast Brass body. SS 304 Mesh
<b>Temperature:</b>	(Air) -15°C to 110°C (Water) 0°C to 90°C
<b>Pressure:</b>	Max 290 psi
<b>Application:</b>	Domestic water services, heating and air-conditioning plants, compressed air systems

Size		Part No.	Working Pressure		Degree of filtration $\mu$
mm	inch		psi	MPa	
8	¼	BYLF006	290	2	500
10	¾	BYLF010	290	2	500
15	½	BYLF012	290	2	500
20	¾	BYLF020	290	2	500
25	1	BYLF025	290	2	500
32	1¼	BYLF032	290	2	500
40	1½	BYLF040	290	2	500
50	2	BYLF050	290	2	500

VB10

## Stainless Steel



<b>End Connection:</b>	Screwed female BSP
<b>Body Materials:</b>	Stainless steel body & element
<b>Pressure:</b>	200psi
<b>Temperature:</b>	-20 to 232°C for water, oil, gas & corrosive fluids

Size (mm)	Part No.	
15	SYS-015	i
20	SYS-020	i
25	SYS-025	i
32	SYS-032	i
40	SYS-040	i
50	SYS-050	i

VS01

## Potter Pressure



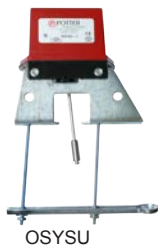
WFSR-F



<b>End Connection:</b>	NPT Male
<b>Body Materials:</b>	Cover - die cast with red powder coat. Base - plated steel.
<b>Pressure:</b>	Refer to table below
<b>Approvals:</b>	UL, CSFM, FM, LPC Approved, CE marked
<b>Application:</b>	For monitoring high and/or low pressure variations.

Part No.	Type	Description
FFS-PS10-1A	i PS10-1A	28-140 kPa - 1 Set of Contacts
FFS-PS10-2A	i PS10-2A	28-140 kPa - 2 Set of Contacts
FFS-PS40-1	PS40-1A	70-1225 kPa - 1 Set of Contacts
FFS-PS40-2A	i PS40-2A	70-1225 kPa - 2 Set of Contacts
FFS-PS120-1A	i PA120-1A	70-1225 kPa - 1 Set of Contacts Field Adjustable. Pressure drop model of 770kPa
FFS-PS120-2A	i PS120-2A	70-1225 kPa 2 Set of Contacts Pressure Drop / Pressure Rise Mode Field Adjustable
FFS-WFSR-F	i WFSR-F	Pressure Activated (water flow with retard)
FFS-ADPS-LP	i ADPS-LP	Adjustable dead band switch
FFS-ADPS-HP	ADPS-HP	Range 70-2100kPa, 175-4200 kPa.

## Potter Anti-Tamper



OSYSU



PTS-C

Part No.	Type	Description
FFS-OSYSU-A1	OSYSU-1	To suit Gate Valves OS&Y DN50 - DN300, 1 Set Of Contacts
FFS-OSYSU-2	i OSYSU-2	To suit Gate Valves OS & Y DN50 - DN300, 2 Set Of Contacts
FFS-PTS-C	i PTS - C	Pull out plug style suitable for any type of hand wheel operated valve

## Vane Type Waterflow Alarm Switch for Small Pipe (DN25-50)



VSR-SF



Part No.	Type
FFS-VSR-FS-25	VSR-SFDN25 to DN50

## Vane Type Waterflow Alarm Switch



VSR-F



Size (to suit pipe NB)	Part No.	
50	FFS-WF150	
65	FFS-WF165	
80	FFS-WF180	
100	FFS-WF1100	i
150	FFS-WF1150	i
200	FFS-WF1200	i
250	FFS-WF1250	i

VB07



## Valve Lockout Devices

NEW!



**Design:** Prevents unauthorised access to fire service and industrial valves. Device rotates freely around hand wheel to prevent valve wheel turning. UV resistant high grade PVC body is resistant to cracking, abrasion and extreme weather and temperature conditions. Has multiple padlock points.

Part No.	Description
FFS-LVLOC65	To suit all sizes Landing / Hydrant Valves.

\* Refer to page 8 for Padlocks. FP02

## Valve Wheel Spanner - Open / Close Valves



**Design:** User friendly, safe non-slip design. OHS tool. Safe & efficient with positive wheel engagement.  
**Body Materials:** Heavy duty toughened steel, fully seal welded  
**Application:** Used to open / shut Gate & Globe valves & valves with hand wheels

Size	Valve Range (inch)	Part No.
small	1 to 2	4G4192 <span style="float: right;">i</span>
medium	2 to 6	4G4193 <span style="float: right;">i</span>
large	8 to 20	4G4194 <span style="float: right;">i</span>

VS01

## Amtron Anti-Tamper Supervisory Switch

NEW!



**Approvals:** ActivFire & AS2419.1 approved, with LED

Part No.	Description
502 <span style="float: right;">i</span>	To suit Gate and Butterfly Valves

VB07

## Chain Wheel Assembly

NEW!



Description
To suit Butterfly, Gate, Globe & Knife Gate Valves

VS01

VALVES  
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Threads ..... 128-130

Thread Dimensions .....131

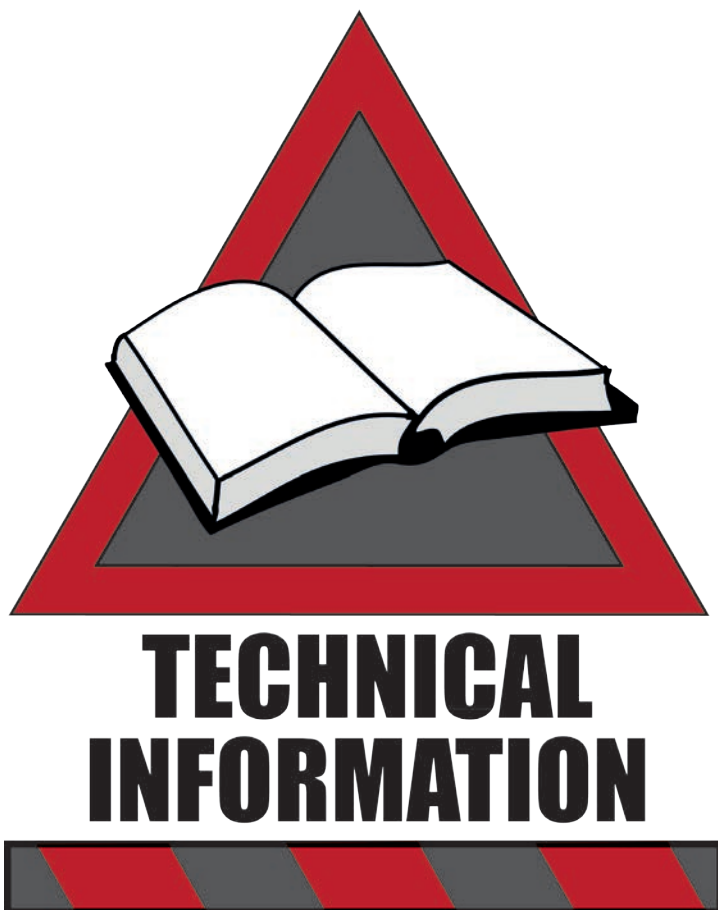
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## Identifying Threads



Identifying threads can sometimes be the most difficult and frustrating part of coupling selection. However, without the right combination of threads, you may not provide a functional or safe connection.

The diameters, threads per inch (TPI) and thread pitch, etc are necessary to completely identify a thread. Ring, Plug and GO/NOGO gauges are required to accurately gauge or identify threads. In the field, in the absence of these gauges, thread leaf gauges can be used to identify the "Threads Per Inch" (TPI) and the thread pitch. On threads you have determined to be straight threads, a caliper can be used to measure the "Outside Diameter of the Male" (ODM) or the "Inside Diameter of the Female" (IDF). A caliper can also be used to take measurements of tapered thread diameters. However, these are more difficult to define because of the taper. Fortunately, there are few tapered threads to deal with and these can usually be identified from the nominal ODM and the TPI.

However, identifying the thread may not fully identify what is needed in a mating fitting. The application is the primary **limiting factor on the thread type used**. Dixon offers products with a wide variety of threads used with hose, pipe and hydraulics.

When attempting to choose a fitting, it is always advisable to first identify the thread to which it must connect. This may entail checking with a fitting or equipment manufacturer.

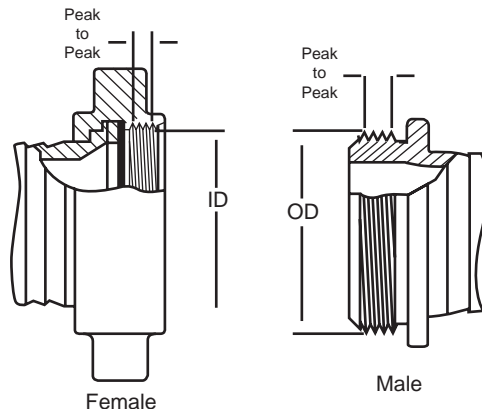
**The fire hose thread specifications for some local municipal fire equipment and hydrants may vary according to local specifications.** These can generally be most easily identified by contacting the local fire department responsible for the hydrant. The most common thread used on fire equipment is National Standard Thread (NST), also known as National Hose thread (NH).

**When it is not possible to identify the thread:**

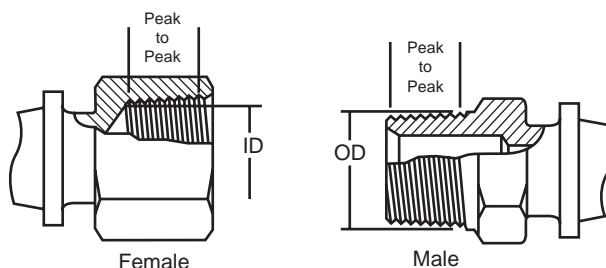
- 1) Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (This will provide the TPI).
- 2) Check to see if the thread is straight or tapered.
  - a) Straight Threads  
Measure the "Outside Diameter of the Male" (ODM) or the "Inside Diameter of the Female" (IDF), from peak of thread to peak of thread.
  - b) Tapered Threads  
Measure the "Outside Diameter of the Male" (ODM) at the large end and the small end, or the "Inside Diameter of the Female" (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the Outside Diameter (OD) of the unthreaded pipe.

Once the application and these two pieces of information have been determined, the thread can generally be determined. **If in doubt, contact your local Dixon office.**

**STRAIGHT THREAD**



**TAPERED THREAD**



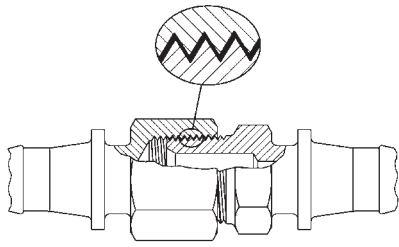
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## Threading Information

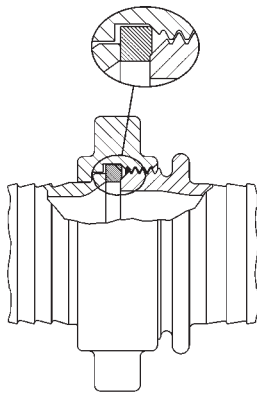
Abbreviation	System Name	Compatibility	Seal Method
<b>BSPP</b>	British Standard Pipe Parallel	Male BSPP with Female BSPP Female BSPP with Male BSPP Female BSPP with Male BSPT <sub>r</sub>	Washer Washer Washer
<b>BSPT<sub>r</sub></b>	British Standard Pipe Taper	Male BSPT <sub>r</sub> with Female BSPT <sub>r</sub> Male BSPT <sub>r</sub> with Female BSPP Female BSPT <sub>r</sub> with Male BSPT <sub>r</sub> <i>Female BSPT<sub>r</sub> not compatible with Male BSPP</i>	Thread Washer Thread
<b>CHT</b>	American Standard Fire Hose Thread (1" National Hose Thread is Chemical Hose Thread, also known as Booster Hose Thread)	1" Male NH (NST) with 1" Female NH (NST) 1" Female NH (NST) with 1" Male NH (NST) 1" Thread is used on both 3/4" hose and 1" hose. <i>Not compatible with other systems</i>	Washer Washer
<b>GHT</b>	Garden Hose Thread	Male GHT with Female GHT Female GHT with Male GHT Thread is same for all size hose <i>Not compatible with other systems</i>	Washer Washer
<b>IPS</b>	Iron Pipe Straight Thread	Generic Name for Straight Pipe Thread See NPSH for compatibility	Washer
<b>IPT</b>	Iron Pipe Thread	Generic Name for All Pipe Thread	
<b>JIC</b>	Joint Industrial Council	Used with other mating JIC threads	Mechanical
<b>NH or NST</b>	American Standard Fire Hose Coupling Thread (National Hose thread also known as National Standard Thread)		Washer Washer
<b>NPT</b>	American Standard Taper Pipe Thread (National Pipe Tapered)	Male NPT with Female NPT Male NPT with Female NPTF Male NPT with Female NPSM Male NPT with Female NPSH Female NPT with Male NPT Female NPT with Male NPTF Female NPT not compatible with Male NPSM or Male NPSH	Thread Thread Washer Washer Thread Thread
<b>NPTF</b>	American Standard Taper Pipe Fuel Dryseal Thread	Male NPTF with Female NPTF Male NPTF with Female NPT Male NPTF with Female NPSM Male NPTF with Female NPSH Female NPTF with Male NPTF Female NPTF with Male NPT Female NPTF with Male NPSM or NPSH <b>Note:</b> <i>NPTF with NPTF threads do not require sealant for the initial use. After that, sealant is required.</i>	Thread Thread Washer Washer Thread Thread Not Compatible
<b>NPSH</b>	American Standard Straight Pipe for Hose Couplings (National Pipe Straight Hose)	Male NPSH with Female NPSH Female NPSH with Male NPSH Female NPSH with Male NPT Female NPSH with Male NPTF Female NPSH with Male NPSM	Washer Washer Washer Washer Washer
<b>NPSM</b>	American Standard Straight Mechanical Joints (National Pipe Straight Mechanical)	Male NPSM with Female NPSM Male NPSM with Female NPSH Female NPSM with Male NPSM Female NPSM with Male NPT Female NPSM with Male NPTF	Seal can be either mechanical or washer. Mating fittings must be of same type.
<b>SIPT</b>	Straight Iron Pipe Thread	Generic name for Straight Pipe Thread	Washer
<b>TIPT</b>	Tapered Iron Pipe Thread	Generic name for Tapered Pipe Thread	Thread

## Thread Sealing Tips



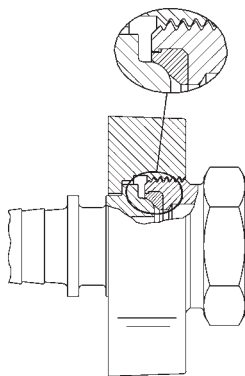
### Thread Seal Type

- A seal is obtained by applying a sealant to the male thread before engaging.
- The sealant is used to prevent spiral leakage.
- Thread tape or paste is the preferred sealant in this type of application.
- Please refer to page 8 for thread tape options.



### Washer Seal Type

- A seal is obtained when the male thread is tightened down onto the washer of the female assembly.
- The washer should be inspected regularly and replaced as needed to prevent leakage.



### Mechanical Seal Type

- A seal is obtained through metal to metal contact or metal to seal contact, ie JIC couplings have a metal to metal seal. "EZ-Boss" Ground Joint couplings have a metal to seal contact (as shown above).
- The couplings should be retightened as needed to prevent leakage.

## Thread Sealing Tips

Sealing NPT threads can be an exasperating experience if certain techniques are not followed.

The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply sealant to male thread only. If using a hydraulic sealant, allow sufficient curing time before system is pressurised.

2. When using tape sealant, wrap the threads in a clock-wise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above.

3. When using paste sealant, apply to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around.

4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel (refer to page 8). This stainless steel thread sealant is also useful when connecting aluminum to aluminum that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble.

5. When connecting parts made of dissimilar metals (ie steel & aluminum), standard tape or paste sealant performs satisfactory.

6. For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.

7. For sizes 2-1/2" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) is usually sufficient. Apply more wraps if necessary.

8. For stubborn to seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape.

9. For extremely stubborn to seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape.



### Caution!

When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. All other measures to seal the threads should be explored prior to use of this technique.

10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2-1/2" and above, hand tighten the components and, with a wrench, tighten 2 full turns.

## Nominal Dimensions of Standard Threads

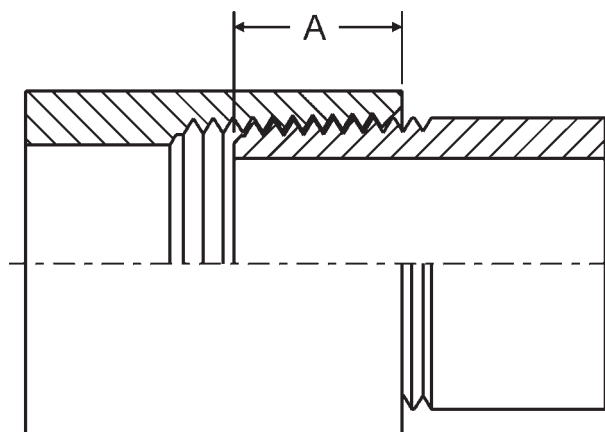
**ODM** - Outside Diameter of the Male  
**IDF** - Inside Diameter of the Female  
**TPI** - Threads Per Inch

Size (inch)	Pipe OD	Tapered Threads		Straight Threads											
		NPT	BSPT	NPSH			NPSM			NST (NH)			BSPP		
		TPI	TPI	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)
1/8	.405	27	28	-	-	-	27	0.397	0.358	-	-	-	-	0.383	0.337
1/4	.504	18	19	-	-	-	18	0.526	0.468	-	-	-	-	0.516	0.450
3/8	.675	18	19	-	-	-	18	0.662	0.603	-	-	-	-	0.656	0.588
1/2	.840	14	14	14	0.8248	0.7395	14	0.823	0.747	-	-	-	-	0.825	0.733
3/4	1.050	14	14	14	1.0353	0.9500	14	1.034	0.958	8	1.375	1.2246	-	1.041	0.950
1	1.315	11.5	11	11.5	1.2951	1.1921	11.5	1.293	1.201	8	1.375	1.2246	11	1.309	1.193
1-1/4	1.660	11.5	11	11.5	1.6399	1.5369	11.5	1.638	1.546	-	-	-	11	1.650	1.534
1-1/2	1.900	11.5	11	11.5	1.8788	1.7758	11.5	1.877	1.785	9	1.990	1.8577	-	1.882	1.766
2	2.375	11.5	11	11.5	2.3528	2.2498	11.5	2.351	2.259	-	-	-	11	2.347	2.231
2-1/2	2.875	8	11	8	2.8434	2.6930	8	2.841	2.708	7.5	3.068	2.9104	11	2.960	2.844
3	3.500	8	11	-	-	-	8	3.467	3.334	6	3.623	3.5306	11	3.460	3.344
4	4.500	8	11	-	-	-	8	4.466	4.333	4	5.010	4.7111	-	4.450	4.334
4-1/2	-	-	-	-	-	-	-	-	-	4	5.760	5.4611	11	-	-
5	5.563	8	11	-	-	-	8	5.528	5.395	4	6.260	5.9602	11	5.450	5.359
6	6.625	8	11	-	-	-	8	6.585	6.452	4	7.025	6.7252	-	6.450	6.359
8	8.625	8	-	-	-	-	-	-	-	-	-	-	-	-	-
10	10.750	8	-	-	-	-	-	-	-	-	-	-	-	-	-
12	12.750	8	-	-	-	-	-	-	-	-	-	-	-	-	-

GHT (3/4") - 1.0625 ODM, 11-1/2 TPI

**NOTE:** Female NPT (Tapered Pipe) thread is not available on hose swivel nuts.

## Normal Engagement Length of NPT Thread in Inches ("A") \*



\* Dimensions given do not allow for variations in tapping or threading.

Size (inch)	"A" (inch)
1/8	1/4
1/4	3/8
3/8	3/8
1/2	1/2
3/4	9/16
1	11/16
1-1/4	11/16
1-1/2	11/16
2	3/4
2-1/2	15/16
3	1
4	1-1/8
5	1-1/4
6	1-5/16
8	1-7/16
10	1-5/8
12	1-3/4

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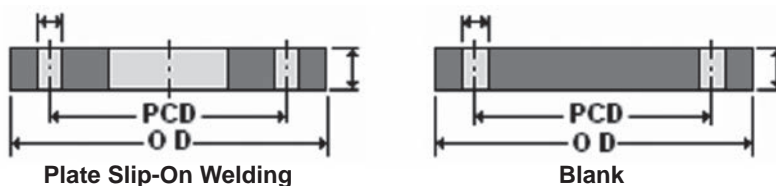
## Pipe & Flange Dimensions

Dimensions of Seamless and Welded Steel Pipe - ASA-B36.10 and B336.19

Nominal Pipe Size (Inch)	Outside Diameter (Inch)	Pipe Schedule Wall Thickness												
		10	20	30	Stand.	40	60	Extra long	80	100	120	140	160	XXX Strong
1/8	0.405	-	-	-	0.068	0.068	-	0.095	0.095	-	-	-	-	-
1/4	0.540	-	-	-	0.088	0.088	-	0.119	0.119	-	-	-	-	-
3/8	0.675	-	-	-	0.091	0.091	-	0.126	0.126	-	-	-	-	-
1/2	0.840	-	-	-	0.109	0.109	-	0.147	0.147	-	-	-	0.188	0.294
3/4	1.050	-	-	-	0.113	0.113	-	0.154	0.154	-	-	-	0.219	0.308
1	1.315	-	-	-	0.133	0.133	-	0.179	0.179	-	-	-	0.250	0.358
1 1/4	1.660	-	-	-	0.140	0.140	-	0.191	0.191	-	-	-	0.250	0.382
1 1/2	1.900	-	-	-	0.145	0.145	-	0.200	0.200	-	-	-	0.281	0.400
2	2.375	-	-	-	0.154	0.154	-	0.218	0.218	-	-	-	0.344	0.436
2 1/2	2.875	-	-	-	0.203	0.203	-	0.276	0.276	-	-	-	0.375	0.552
3	3.50	-	-	-	0.216	0.216	-	0.300	0.300	-	-	-	0.438	0.600
3 1/2	4.00	-	-	-	0.226	0.226	-	0.318	0.318	-	-	-	-	-
4	4.50	-	-	-	0.237	0.237	-	0.337	0.337	-	0.438	-	0.531	0.674
5	5.563	-	-	-	0.258	0.258	-	0.375	0.375	-	0.500	-	0.625	0.750
6	6.625	-	-	-	0.280	0.280	-	0.432	0.432	-	0.562	-	0.719	0.864
8	8.625	-	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.873
10	10.75	-	0.250	0.307	0.365	0.365	0.500	0.500	0.594	0.719	0.844	1.000	1.125	1.000
12	12.75	-	0.250	0.330	0.375	0.406	0.562	0.500	0.688	0.844	1.000	1.125	1.312	1.000

Note: Multiply Decimal by 25.4 for O.D mm (eg: 0.844 x 25.4 = 21.43mm)

## Flange Table (AS2129)



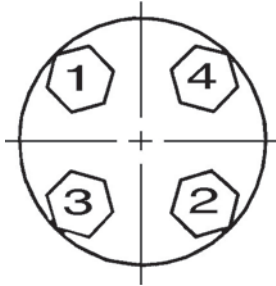
Nominal Bore Size (mm)	Table	Flange OD (mm)	P.C.D (mm)	No. of Bolts	Bolt	Bolt Hole Diameter (mm)	Flange Thickness (mm)
15	D	95	67	4	M12	14	5
	E						6
20	D	100	73	4	M12	14	5
	E						6
25	D	115	83	4	M12	14	5
	E						7
32	D	120	87	4	M12	14	6
	E						8
40	D	135	98	4	M12	14	6
	E						9
50	D	150	114	4	M16	18	8
	E						10
65	D	165	127	4	M16	18	8
	E						10
80	D	185	146	4	M16	18	10
	E						11
100	D	215	178	4	M16	18	10
	E			8			13
125	D	255	210	8	M16	18	13
	E						14
150	D	280	235	8	M16	18	13
	E				M20	22	17
200	D	335	292	8	M16	18	13
	E				M20	22	19

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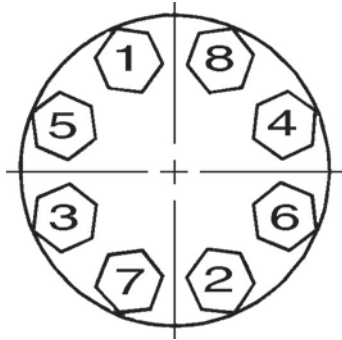


## Flange Bolt Tightening Sequence

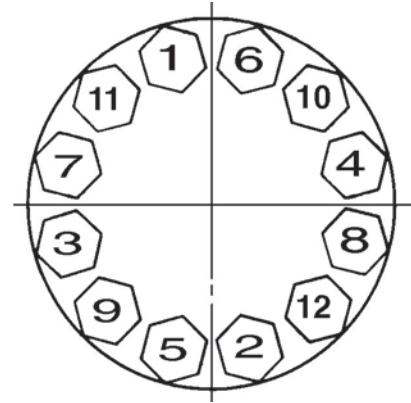
(Use appropriate gaskets and bolts)



4 Bolt

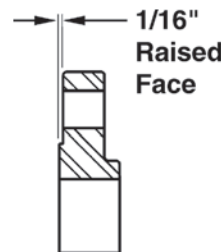
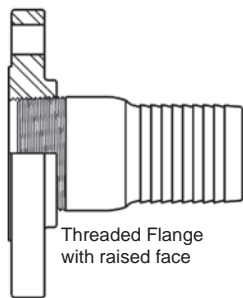


8 Bolt

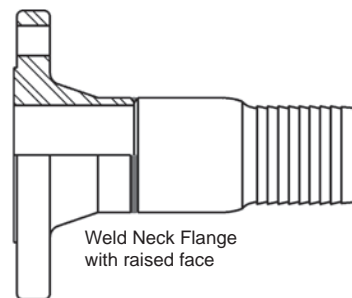
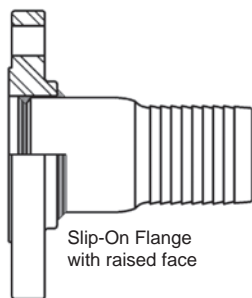


12 Bolt

## Flange Diagrams - Threaded Applications

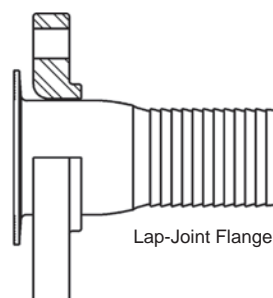
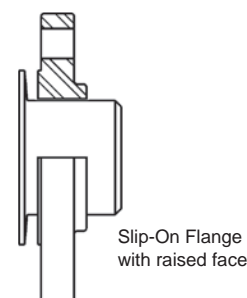


## Welded Applications



## Floating Applications

(Flange Free to Swivel)

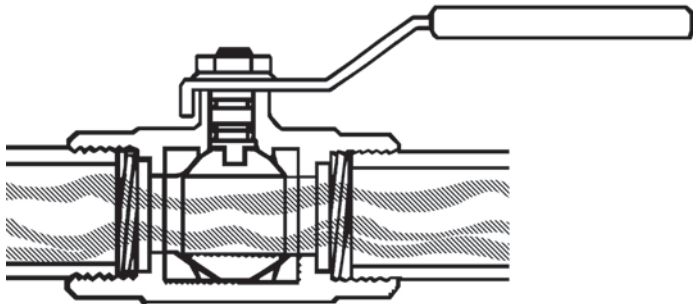


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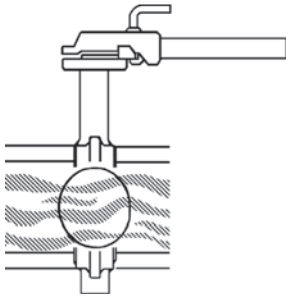
## Valve Selection Guide

### Ball Valve



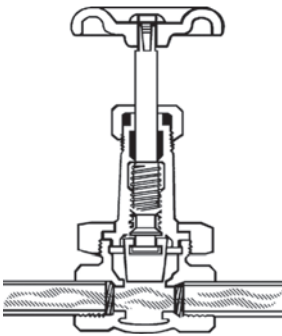
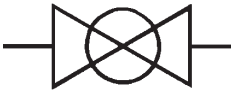
- Can be used for on and off service or throttling.
- When positive shut-off is necessary
- Where a low valve profile is necessary
- Only 90° rotation from open to fully closed quick opening.
- Handle position is a quick indication of whether valve is open or closed.
- Full port ball valves do not resist flow

### Butterfly Valve



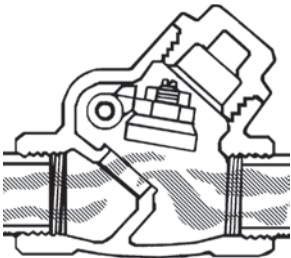
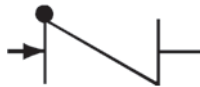
- Where positive shut-off is necessary
- Primarily for fully open or fully closed applications
- May be used for throttling.
- Only 90° rotation from open to fully closed
- Lightweight
- Easy to install
- Less costly than an iron body Gate valve.

### Gate Valve



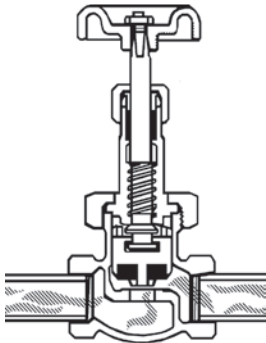
- For fully open or fully closed service NOT FOR THROTTLING
- For minimum line pressure drop
- For minimum fluid entrapment in the line
- For relatively infrequent operation

### Check Valve



- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required.
- Swing check valves are recommended for use in conjunction with Gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and damaging vibration.

### Globe Valve



- For regulation (throttling) of flow
- For frequent operation; short stem travel reduces operator's time
- Where some line resistance is acceptable

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Hose ID (inch)	Force (In Pounds)									
	25 psi	50 psi	75 psi	100 psi	150 psi	200 psi	250 psi	300 psi	500 psi	1000 psi
1/4	1	2	4	5	7	10	12	15	25	49
3/8	3	6	8	11	17	22	28	33	55	110
1/2	5	10	15	20	29	39	49	59	98	196
3/4	11	22	33	44	66	88	110	133	221	442
1	20	39	59	79	118	157	196	236	393	785
1-1/4	31	61	92	123	184	245	307	368	614	1227
1-1/2	44	88	133	177	265	353	442	530	884	1767
2	79	157	236	314	471	628	785	942	1571	3142
2-1/2	123	245	368	491	736	982	1227	1473	2454	4909
3	177	353	530	707	1060	1414	1767	2121	3534	7069
4	314	628	942	1257	1885	2513	3142	3770	6283	12566
5	491	982	1473	1964	2945	3927	4909	5891	9818	19635
6	707	1414	2121	2827	4241	5655	7069	8482	14137	28274
8	1257	2513	3770	5027	7540	10053	12566	15080	25133	50266
10	1964	3927	5891	7854	11781	15708	19635	23562	39270	78540
12	2827	5655	8482	11310	16965	22620	28274	33929	56549	113098

Note: For hose ID's from 1-1/4" to 12" the force in pounds is greater than the PSI.

FORCE is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of pounds of FORCE exerted, you merely multiply the area of the ID times the working pressure being used.

AREA OF A CIRCLE:  $\pi \times R^2$  (PI [3.1416] x radius squared)

FORCE = AREA x PRESSURE

Force Slide Charts are available on request.



## Imperial to Decimal Conversion Chart

	<u>Inches</u>	<u>Millimeters</u>		<u>Inches</u>	<u>Millimeters</u>	
	<b><math>\frac{1}{64}</math></b>	<b>.015625</b>	<b>.3969</b>	<b><math>\frac{33}{64}</math></b>	<b>.515625</b>	<b>13.0969</b>
$\frac{1}{32}$		.03125	.7938	$\frac{17}{32}$	.53125	13.4938
	<b><math>\frac{3}{64}</math></b>	<b>.046875</b>	<b>1.1906</b>	<b><math>\frac{35}{64}</math></b>	<b>.546875</b>	<b>13.8907</b>
$\frac{1}{16}$		.0625	1.5875	$\frac{9}{16}$	.5625	14.2876
	<b><math>\frac{5}{64}</math></b>	<b>.078125</b>	<b>1.9844</b>	<b><math>\frac{37}{64}</math></b>	<b>.578125</b>	<b>14.6844</b>
$\frac{3}{32}$		.09375	2.3813	$\frac{19}{32}$	.59375	15.0813
	<b><math>\frac{7}{64}</math></b>	<b>.109375</b>	<b>2.7781</b>	<b><math>\frac{39}{64}</math></b>	<b>.609375</b>	<b>15.4782</b>
$\frac{1}{8}$		.125	3.1750	$\frac{5}{8}$	.625	15.8751
	<b><math>\frac{9}{64}</math></b>	<b>.140625</b>	<b>3.5719</b>	<b><math>\frac{41}{64}</math></b>	<b>.640625</b>	<b>16.2719</b>
$\frac{5}{32}$		.15625	3.9688	$\frac{21}{32}$	.65625	16.6688
	<b><math>\frac{11}{64}</math></b>	<b>.171875</b>	<b>4.3656</b>	<b><math>\frac{43}{64}</math></b>	<b>.671875</b>	<b>17.0657</b>
$\frac{3}{16}$		.1875	4.7625	$\frac{11}{16}$	.6875	17.4626
	<b><math>\frac{13}{64}</math></b>	<b>.203125</b>	<b>5.1594</b>	<b><math>\frac{45}{64}</math></b>	<b>.703125</b>	<b>17.8594</b>
$\frac{7}{32}$		.21875	5.5563	$\frac{23}{32}$	.71875	18.2563
	<b><math>\frac{15}{64}</math></b>	<b>.234375</b>	<b>5.9531</b>	<b><math>\frac{47}{64}</math></b>	<b>.734375</b>	<b>18.6532</b>
$\frac{1}{4}$		.250	6.3500	$\frac{3}{4}$	.750	19.0501
	<b><math>\frac{17}{64}</math></b>	<b>.265625</b>	<b>6.7469</b>	<b><math>\frac{49}{64}</math></b>	<b>.765625</b>	<b>19.4470</b>
$\frac{9}{32}$		.28125	7.1438	$\frac{25}{32}$	.78125	19.8438
	<b><math>\frac{19}{64}</math></b>	<b>.296875</b>	<b>7.5406</b>	<b><math>\frac{51}{64}</math></b>	<b>.796875</b>	<b>20.2407</b>
$\frac{5}{16}$		.3125	7.9375	$\frac{13}{16}$	.8125	20.6376
	<b><math>\frac{21}{64}</math></b>	<b>.328125</b>	<b>8.3344</b>	<b><math>\frac{53}{64}</math></b>	<b>.828125</b>	<b>21.0345</b>
$\frac{11}{32}$		.34375	8.7313	$\frac{27}{32}$	.84375	21.4313
	<b><math>\frac{23}{64}</math></b>	<b>.359375</b>	<b>9.1282</b>	<b><math>\frac{55}{64}</math></b>	<b>.859375</b>	<b>21.8282</b>
$\frac{3}{8}$		.375	9.5250	$\frac{7}{8}$	.875	22.2251
	<b><math>\frac{25}{64}</math></b>	<b>.390625</b>	<b>9.9219</b>	<b><math>\frac{57}{64}</math></b>	<b>.890625</b>	<b>22.6220</b>
$\frac{13}{32}$		.40625	10.3188	$\frac{29}{32}$	.90625	23.0188
	<b><math>\frac{27}{64}</math></b>	<b>.421875</b>	<b>10.7157</b>	<b><math>\frac{59}{64}</math></b>	<b>.921875</b>	<b>23.4157</b>
$\frac{7}{16}$		.4375	11.1125	$\frac{15}{16}$	.9375	23.8126
	<b><math>\frac{29}{64}</math></b>	<b>.453125</b>	<b>11.5094</b>	<b><math>\frac{61}{64}</math></b>	<b>.953125</b>	<b>24.2095</b>
$\frac{15}{32}$		.46875	11.9063	$\frac{31}{32}$	.96875	24.6063
	<b><math>\frac{31}{64}</math></b>	<b>.484375</b>	<b>12.3032</b>	<b><math>\frac{63}{64}</math></b>	<b>.984375</b>	<b>25.0032</b>
$\frac{1}{2}$		.500	12.7001	1	1.000	25.4001

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A	
<b>ActivFire</b>	Certification & listing scheme for fire protection equipment.
<b>AFFF</b>	Aqueous Film Forming Foam (Fire Suppression Foam)
<b>AGA</b>	Australian Gas Association
<b>ANSI</b>	American National Standards Institute Inc.
<b>AS</b>	Australian Standard
<b>ASME</b>	American Society of Mechanical Engineers
<b>ASTM</b>	American Society for Testing and Materials
<b>Anodise</b>	A process for aluminium, similar to zinc or chrome plating steel, in which an aluminium part is electrically charged then, dipped in various chemicals to produce various colours and/or surface hardness.
<b>AWWA</b>	American Water Works Association
B	
<b>BI</b>	British Instantaneous
<b>BS</b>	British Standard
<b>BSP</b>	British Standard Pipe
<b>Burst Pressure</b>	The pressure at which rupture occurs.
C	
<b>CFA</b>	Country Fire Authority
<b>Clamp</b>	A metal fitting, band or wire used around the outside of a hose end to secure a coupling, fitting or nipple.
<b>Concentric</b>	Objects sharing the same centres.
<b>Coupling</b>	A device at the end or ends of a length of hose that allows a connection to be made.
<b>CSIRO</b>	Commonwealth Scientific & Industrial Research Organisation
D	
<b>DCP</b>	Dry Chemical Powder
<b>DIN</b>	German Institute for Standardisation
<b>DN</b>	Diameter Nominal
<b>DZR</b>	De-Zincified Brass
E	
<b>Eccentric</b>	Objects with offset centres.
<b>EPDM</b>	Type of rubber - Ethylene Propylene Diene Monomer
F	
<b>FBT</b>	Fire Brigade Thread
<b>FM</b>	Factory Mutual - Approval Body
G	
<b>Galvanised</b>	Metal treatment for rust protection.
I	
<b>ID</b>	Inside Diameter
M	
<b>MFB</b>	Metropolitan Fire Brand
N	
<b>NB</b>	Nominal Bore
<b>Nipple</b>	The section of the fitting that is inserted into the hose. Also known as the shank of a coupling.
<b>Nitrile</b>	Type of Rubber.
<b>Nominal</b>	A dimensional value assigned for the purpose of convenient designation.
<b>NPT</b>	National Pipe Thread Taper
<b>NZS</b>	New Zealand Standard



O	
<b>OD</b>	Outside Diameter
<b>Operating Pressure</b>	The pressure at which system functions. Also known as Working Pressure.
<b>OS&amp;Y</b>	Outside Stem & Yoke
P	
<b>Petrolatum</b>	Petroleum Jelly - used to aid in corrosion protection.
<b>P.S.I.</b>	Pounds per square inch
<b>P.S.I.G.</b>	Pounds per square inch gauge
<b>Proof Pressure</b>	A specified pressure which exceeds the hose assemblies rated working pressure to indicate its reliability at normal working
<b>PTFE</b>	Poly Tetra Fluoro Ethylene (Teflon)
Q	
<b>QRT</b>	Queensland Round Thread
R	
<b>Roll Groove</b>	A style of couplings that has a groove cut near the end of the stem where threads would typically be. The couplings are attached using a "C" shaped clamp that fits into the grooves on the stem.
S	
<b>SAE</b>	Society of Automotive Engineers
<b>Safety Factor</b>	A ratio used to establish the working pressure of a hose based upon the burst pressure. Typical Safety Factors are as follows: <ol style="list-style-type: none"> <li>1. Water hose up to 150 psi WP: 3 to 1</li> <li>2. Hose for all other liquids, solid materials suspended in liquids or air &amp; water hose over 150 psi WP: 4 to 1</li> <li>3. Hose for compressed air &amp; other gases: 4 to 1</li> <li>4. Hose for liquid media that immediately changes into gas under standard atmospheric conditions: 5 to 1</li> <li>5. Steam hose: 10 to 1</li> </ol>
<b>SART</b>	South Australian Round Thread
<b>STORZ</b>	Hermaphroditic hose coupling used in fire protection
<b>Surge</b>	A rapid rise and decrease of internal pressure.
T	
<b>Torque</b>	Amount of force required to turn an object. Usually measured in inch pounds (in. lbs.) or foot pounds (ft. lbs.)
<b>TPI</b>	Threads Per Inch
U	
<b>UL</b>	Underwriters Laboratories Inc. - Approval Body
W	
<b>WOG</b>	Water, Oil, Gas. Pressure rating for valves handling these products. This does not include steam.
<b>WP</b>	Working Pressure - the maximum pressure to which a hose assembly will be subjected to including pressure surges.

# Part Number Index

In the following index an \* is used to represent a variable.

Therefore, to find GV050B or GV125B look for GV\*\*\*B.

## 0

05/062\*\*/000 ..... 119

## 4

4G419\* ..... 105, 126

## B

BB\*\*\* ..... 99  
 BB015\*\*\* ..... 99  
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